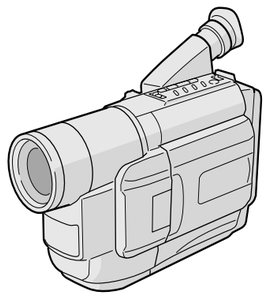
JVC

SERVICE MANUAL

COMPACT VHS CAMCORDER

GR-FXM270A/A-S,SXM57EG, SXM470A/A-S,SXM770A



DIGITAL STILL CAMERA

S-VHS C VHS PAL 625

Super VHS

Super VHS ET

Regarding service information other than these sections, refer to the GR-FXM37EG, SXM607EG service manual (No. 86589). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-SXM770A)*

Camcorder

General

Format	: S-VHS/VHS PAL standard
Power source	: DC 11 V ⎓ (Using AC Adapter) DC 6 V ⎓ (Using battery pack)
Power consumption	
Viewfinder on	: 4.7 W
LCD monitor on	: 5.4 W
Video light	: 3.0 W
Signal system	: PAL-type
Video recording system	
Luminance	: FM recording
Colour	: Converted sub-carrier direct recording Conforms to VHS standard
Cassette	: S-VHS C / VHS C cassette
Tape speed	
SP	: 23.39 mm/sec.
LP	: 11.70 mm/sec.
Recording time (max.)	
SP	: 60 minutes
LP	: 120 minutes (with EC-60 cassette)
D.S.C. format	
Recording format	: Digital data storage (based on JPEG)
Recording medium	: Built-in flash memory, 2 Mbyte
Number of storable shots	
FINE mode	: approx. 30 shots
STANDARD mode	: approx. 60 shots
Image size	: 640 x 480 pixels (when captured on a PC)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: –20°C to 50°C
Weight	: 930 g
Dimensions (W x H x D)	: 200 mm x 112 mm x 118 mm (with the LCD monitor closed and with the viewfinder full tilted downward)
Pickup	: 1/4" format CCD
Lens	: F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm
Viewfinder	: Electronic viewfinder with 0.5" black/white CRT
White balance adjustment	: Auto/Manual adjustment
LCD monitor	: 3" diagonally measured, LCD panel/TFT active matrix system
Speaker	: Monaural

Connectors

JLIP/EDIT	: ø3.5 mm, 4-pole, mini-head jack (compatible with RC-5325 plug)
Video	: 1 V (p-p), 75 Ω unbalanced, analogue output (via Video output connector)
Audio	: 300 mV (rms), 1 kΩ analogue output (via Audio output connector)
Digital	: ø2.5 mm, 4-pole, mini-head jack
S-Video	: **Y** : 1 V (p-p), 75 Ω, analogue output **C** : 0.29 V (p-p), 75 Ω, analogue output

AC Adapter AP-V10A

Power requirement	: AC 110 V to 240 V~, 50 Hz/60 Hz
Output	: DC 11 V ⎓, 1 A
Dimensions (W x H x D)	: 59 mm x 31 mm x 84 mm
Weight	: Approx. 140 g (not including Power Cord)

Optional Accessories

- **Battery Packs BN-V12U, BN-V20U, BN-V400U**
- **Compact S-VHS (S-VHS C) Cassettes SE-C45/30**
- **Compact VHS (VHS C) Cassettes EC-60/45/30**
- **Remote Control Unit RM-V700U**
- **Active Carrying Bag CB-V7U**

Some accessories are not available in some areas. Please consult your nearest JVC dealer for details on accessories and their availability.

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

JVC
VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

Printed in Japan

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December 2000

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The following table indicate main different points between models GR-FXM37EG, FXM270A/A-S, SXM607EG, SXM57EG, SXM470A/A-S and GR-SXM770A.

ITEM \ MODEL	GR-FXM37EG	GR-FXM270A	GR-FXM270A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A	GR-SXM470A-S	GR-SXM770A
AC ADAPTER	AP-V10EG	AP-V10A	AP-V101-S	AP-V10EG	AP-V10EG	AP-V10A	AP-V10A-S	AP-V10A
BATTERY PACK	BN-V11U	BN-V11U	BN-V11U	BN-V20BU	BN-V20BU	BN-V11U	BN-V11U	BN-V11U
BODY COLOR	Mold Black	Silver	Silver	Silver	Light Gold	Silver	Silver	Silver
CASSETTE ADAPTER	Optional	Provided	Provided	Optional	Optional	Provided	Provided	Provided
CONVERSION PLUG	Optional	Provided	Provided	Optional	Optional	Provided	Provided	Provided
DC LIGHT	Not used	Used	Used	Used	Used	Used	Used	Used
DSC	Not used	Not used	Not used	Not used	Not used	Not used	Not used	Used
LCD MONITOR	2.5"	2.5"	2.5"	3"	2.5"	3"	3"	3"
NIGHT SCOPE	Not used	Used	Used	Used	Used	Used	Used	Used
PC CONNECTION CABLE	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Provided
S CABLE, S-VIDEO CABLE	Optional	Optional	Optional	Provided	Provided	Provided	Provided	Provided
S-VHS ON/OFF	Not used	Not used	Not used	Used	Used	Used	Used	Used
ZOOM	400X	600X	600X	400X	400X	600X	600X	600X

The following table indicate different parts number between models GR-FXM37EG, FXM270A/A-S, SXM607EG, SXM57EG, SXM470A/A-S and GR-SXM770A.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5.

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A	GR-FXM270A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A	GR-SXM470A-S	GR-SXM770A
1	PACKING CASE	LY32179-002A	LY32054-077A	LY32054-027A	LY32179-004A	←	LY32054-085A	LY32054-030A	LY32054-011A
4	POLY BAG	QPA02003506	←	←	←	←	←	←	YQM30061-3
7	WARRANTY CARD	BT-54013-1	–	–	BT-54013-1	←	–	–	–
⚠ 9	POWER CORD	QMPL120-190-JR	←	QMPS110-190-JR	QMPL120-190-JR	←	←	QMPS110-190-JR	QMPL120-190JR
⚠ 10	AC ADAPTER	LY20688-001A	LY20688-003A	LY20688-004A	LY20688-001A	←	LY20688-003A	LY20688-004A	LY20688-003A
⚠ 11	BATTERY PACK	YQ10629E	←	←	LY31199-001A	←	YQ10629E	←	←
13	SOFT WARE PERM.	–	–	–	–	–	–	–	YU30843-7-1
14	CORE FILTER	QQR0491-002,X3	←	←	QQR0491-002,X4	←	←	←	QQR0491-002,X5
15	S CABLE, S-VIDEO CABLE	–	–	–	QAM0004-003	←	←	←	←
16	REMOTE CONTROL UNIT	–	–	–	LY42129-001A	←	LY20543-002A	←	←
17	AAA(R03)BATTERY, X2	Not used	Not used	Not used	Used	Used	Used	Used	Used
18	ADAPTER PLUG	–	–	–	QAM0302-001	←	–	–	–
19	CONNECTOR,CABLE ADAPTER	PEMC1174	–	–	–	–	–	–	–

Note: Mark – is not used. Mark ← is same as left.

REF. NO.	ITEM / MODEL	GR-FXM37EG	GR-FXM270A	GR-FXM270A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A	GR-SXM470A-S	GR-SXM770A
21	CASSETTE ADAPTER	–	YQ31963A-3 or YQ31963B-3	←	–	–	YQ31963A-3 or YQ31963B-3	←	←
22	AA(R6)BATTERY	Not used	Used	Used	Not used	Not used	Used	Used	Used
⚠ 23	CONVERSION PLUG	–	PEMC1012-02	PEMC1012	–	–	PEMC1012-02	PEMC1012	PEMC1012-02
24	SHEET (CON.PLUG)	–	LYT0609-001A	←	–	–	LYT0609-001A	←	←
25	CABLE ASSY (EDITING)	–	–	–	–	–	PEAC0428-150	–	PEAC0428-150
26	PC CONNECTION CABLE	–	–	–	–	–	–	–	QAM0084-001
27	CD ROM	–	–	–	–	–	–	–	LY31133-001B
28	POLY BAG	–	–	–	–	–	–	–	LY30023-010A
29	SHEET (INSTALL)	–	–	–	–	–	–	–	LYT0309-004A
30	SHEET (AGREEMENT)	–	–	–	–	–	–	–	LYT0378-003A
31	SPACER (PACKING)	–	–	–	* –	–	LY43032-001A	←	←

FINAL ASSEMBLY <M2>

REF. NO.	ITEM / MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A/A-S	GR-SXM770A
101	LOWER CASE ASSY	LY20684-005A	LY20684-006A	LY20684-008A	←	←	LY20684-009A
101F	SCREW	*QYSLSF2060D	QYSLSF2050Z	*QYSLSF2060D	QYSLSF2050Z	←	←
104	FRONT COVER ASSY	LY20683-013A	LY20683-007B	LY20683-014A	LY20683-009B	LY20683-007B	LY20683-007A
104E	COVER (LIGHT)/DC LIGHT	LY30934-020A	LY32040-001A	←	←	←	←
104F	SPACER (A)	–	LY30029-0B4A	←	←	←	←
104H	CAUTION LABEL	–	YQ44341-6	←	←	←	←
104J	STICKER (A)	LY32058-001A	LY32058-002A	←	←	←	←
104K	STICKER (C)	LY32060-001A	LY32060-002A	←	←	←	←
105	CASS.COVER (M) ASSY	LY20694-002A	←	←	LY20694-003A	LY20694-002A	←
106	UPPER CASE (M)	LY10257-005B	LY10257-021A	LY10257-001A	LY10257-003A	LY10257-022A	LY10257-023A
109	TOP OPE UNIT	LY20614-014B	LY20614-002B	←	LY20614-003B	LY20614-002B	LY20614-005B
111	REAR UNIT	LY20615-004A	←	LY20615-001A	←	←	←
114	STICKER (D)	LY32061-003A	LY32061-001A	←	←	←	LY32061-004A
121	SCREW, X3	*QYSLSF2060D	QYSLSF2050Z	*QYSLSF2060D	QYSLSF2050Z	←	←
130	FRAME ASSY	LY20678-002A	LY20678-001A	←	←	←	←
130E	CONTACT (LIGHT), X2	–	YQ43810-1-1	←	←	←	←
130F	E-SI C WIRE C-F	–	WJM0167-001A	←	←	←	←
136	SCREW/SPECIAL SCREW	*QYSLSF2060D	LY42981-001A	*QYSLSF2060D	LY42981-001A	←	←
138	SCREW	* –	QYSLSF2060D	←	←	←	←
154	HOLDER (DSC P.)	–	–	–	–	–	LY20645-001A
155	SCREW	–	–	–	–	–	QYSLSF2060D
156	FPC(DSC)ASSY	–	–	–	–	–	LY42875-001A
156A	S.SHEET(DSC FPC)	–	–	–	–	–	LY42876-001A
157	INSULATER	–	–	–	–	–	YU40341

OPTICAL BLOCK SECTION

REF. NO.	ITEM / MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG,470A/A-S,770A
254	OPTICAL LPF	LY41757-001A	←	LY41370-001A	LY41757-001A
255	CCD SPACER	LY20346-001A	←	LY20086-001A	LY20346-001A
257	CCD BASE ASSY	LYH40018-003A	LYH40132-002A	LYH40018-004A	LYH40132-002A

Note: Mark – is not used. Mark ← is same as left. Mark * reference model was also changed.

MECHANISM ASSEMBLY <M3>

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG,470A/A-S,770A
400	MECHA(B)ASSY	YMA0030A-E	←	YMA0031A-E	←
406	CASS. GUIDE (R) ASSY	–	–	YQ44339A-7	←
406A	SW. LEVER (R)	–	–	YQ32162-1-3	←
406B	TORSION SPRING	–	–	YQ44340-1-4	←
407	SCREW	–	–	LY42819-001A	←
466	ROTARY ENCODER	QSW0888-001	←	QSW0888-002	←

MONITOR ASSEMBLY <M5>

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A	GR-SXM470A-S	GR-SXM770A
⚠ 500	MONITOR ASSY	LYH20217-017A	LYH20217-007A	LYH20217-001A	LYH20217-004A	LYH20217-008A	LYH20217-008B	LYH20217-003A
⚠ 501	M.COVER ASSY	LY20679-005A	←	LY20679-001A	LY20679-003A	LY20679-002A	←	LY20679-006A
501B	WINDOW	LY32022-003A	←	LY32022-004A	LY32022-002A	←	←	←
502	M.CASE (2.5/3)ASSY	LY32036-001A	←	LY32035-001A	LY32036-001A	LY32035-001A	←	←
504	HINGE COVER (U)	LY31939-001A	←	←	LY31939-002A	LY31939-001A	←	←
515	HOLDER (2.5/3 PWB)	LY20672-001A	←	LY20647-001A	LY20672-001B	LY20647-001A	←	←
519	BACK LIGHT	QLL0093-001	←	QLL0094-001	QLL0093-001	QLL0094-001	←	←
520	LCD MODULE	QLD0154-001	QLD0176-001	QLD0118-001	QLD0176-001	QLD0118-001	←	←
522	STICKER (B)	LY32059-001A	←	LY32059-002A	←	←	←	←

MAIN BOARD ASSEMBLY <01>

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A/A-S	GR-SXM770A
PW	MAIN BOARD ASSY	YB10310EH-01	YB10310EK-01	YB10310EB-01	YB10310ED-01	YB10310EL-01	YB10310EE-01

CCD BOARD ASSEMBLY <02>

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG,470A/A-S,770A
PW	CCD BOARD ASSY	YB20899A-01	YB20899D-01	YB20899A-01	YB20899D-01
R5304	MG RESISTOR	NRSA02J-105X	–	NRSA02J-105X	–
C5303	CAPACITOR	NCB21HK-102X	NCB21HK-222X	NCB21HK-102X	NCB21HK-222X

MONITOR BOARD ASSEMBLY <07>

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG	GR-SXM470A/A-S,770A
PW	MONITOR BOARD ASSY	YB20900B-01	←	YB20900A-01	YB20900B-01	YB20900A-01
R7511 R7512	MG RESISTOR	–	–	NRSA63J-223X	–	NRSA63J-223X
R7513	MG RESISTOR	NRSA63J-103X	←	–	NRSA63J-103X	–
R7514	MG RESISTOR	–	–	NRSA63J-333X	–	NRSA63J-333X
R7515	MG RESISTOR	NRSA63J-302X	←	NRSA63J-562X	NRSA63J-302X	NRSA63J-562X
C7510	CAPACITOR	–	–	NCB31EK-103X	–	NCB31EK-103X

DSC BOARD ASSEMBLY <08>

REF. NO.	ITEM \ MODEL	GR-FXM37EG	GR-FXM270A/A-S	GR-SXM607EG	GR-SXM57EG,470A/A-S	GR-SXM770A
PW	DSC BOARD ASSY	–	–	–	–	YB20898A

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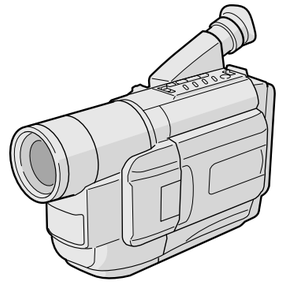
SCHEMATIC DIAGRAMS

COMPACT VHS CAMCORDER

GR-FXM270A/A-S,SXM57EG, SXM470A/A-S,SXM770A

CD-ROM No. SML200012



DIGITAL STILL CAMERA

S-VHS C VHS PAL 625

Super VHS

Super VHS ET

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Video light	: 3.0 W
Signal system	: PAL-type
Video recording system	
Luminance	: FM recording
Colour	: Converted sub-carrier direct recording Conforms to VHS standard
Cassette	: S-VHS C / VHS C cassette
Tape speed	
SP	: 23.39 mm/sec.
LP	: 11.70 mm/sec.
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D.S.C. format	
Recording format	: Digital data storage (based on JPEG)
Recording medium	: Built-in flash memory, 2 Mbyte
Number of storable shots	
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Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: –20°C to 50°C
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Lens	: F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm
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LCD monitor	: 3" diagonally measured, LCD panel/TFT active matrix system
Speaker	: Monaural

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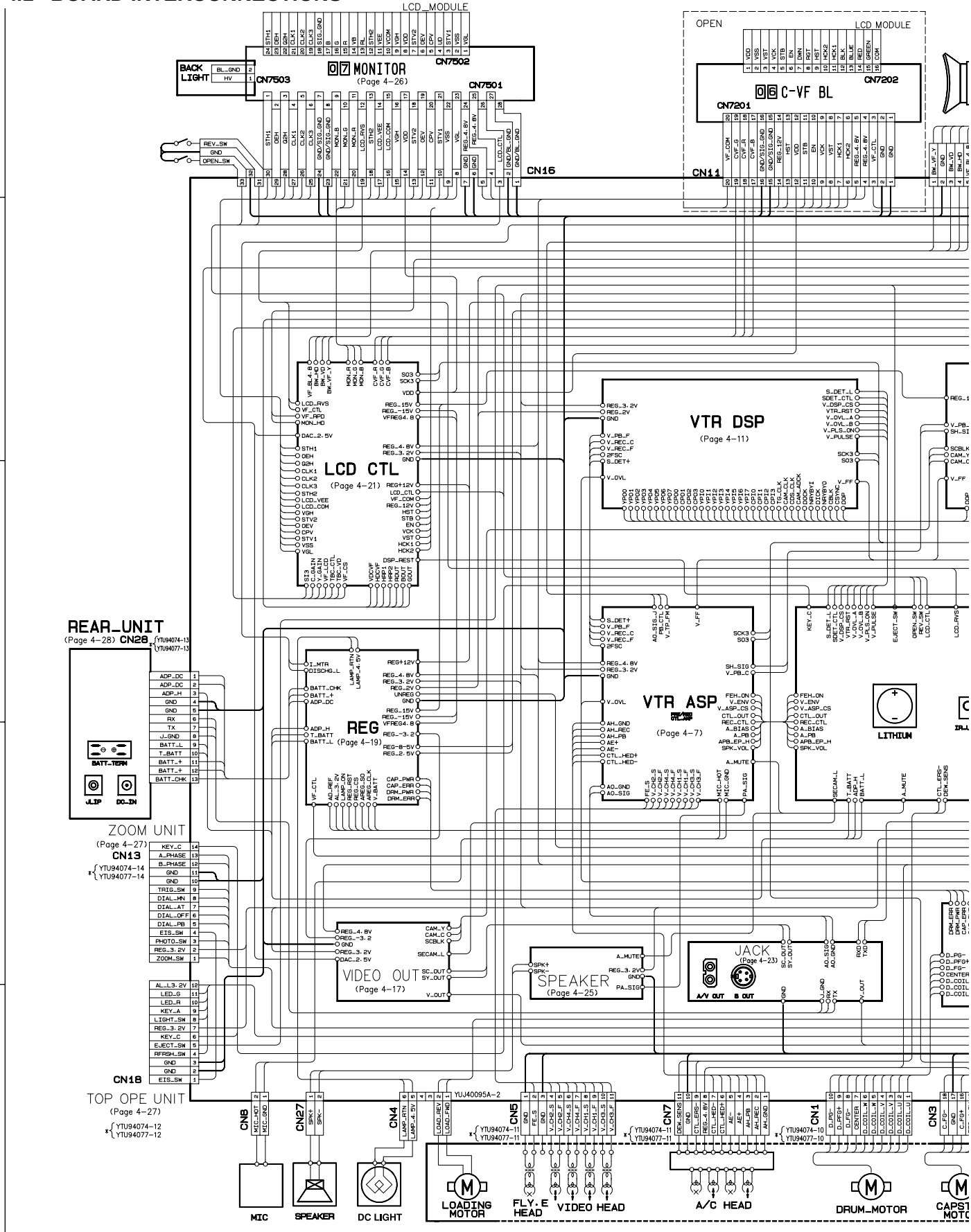
No. 86594SCH
December 2000

SECTION 4
CHARTS AND DIAGRAMS

4.1 BOARD INTERCONNECTIONS

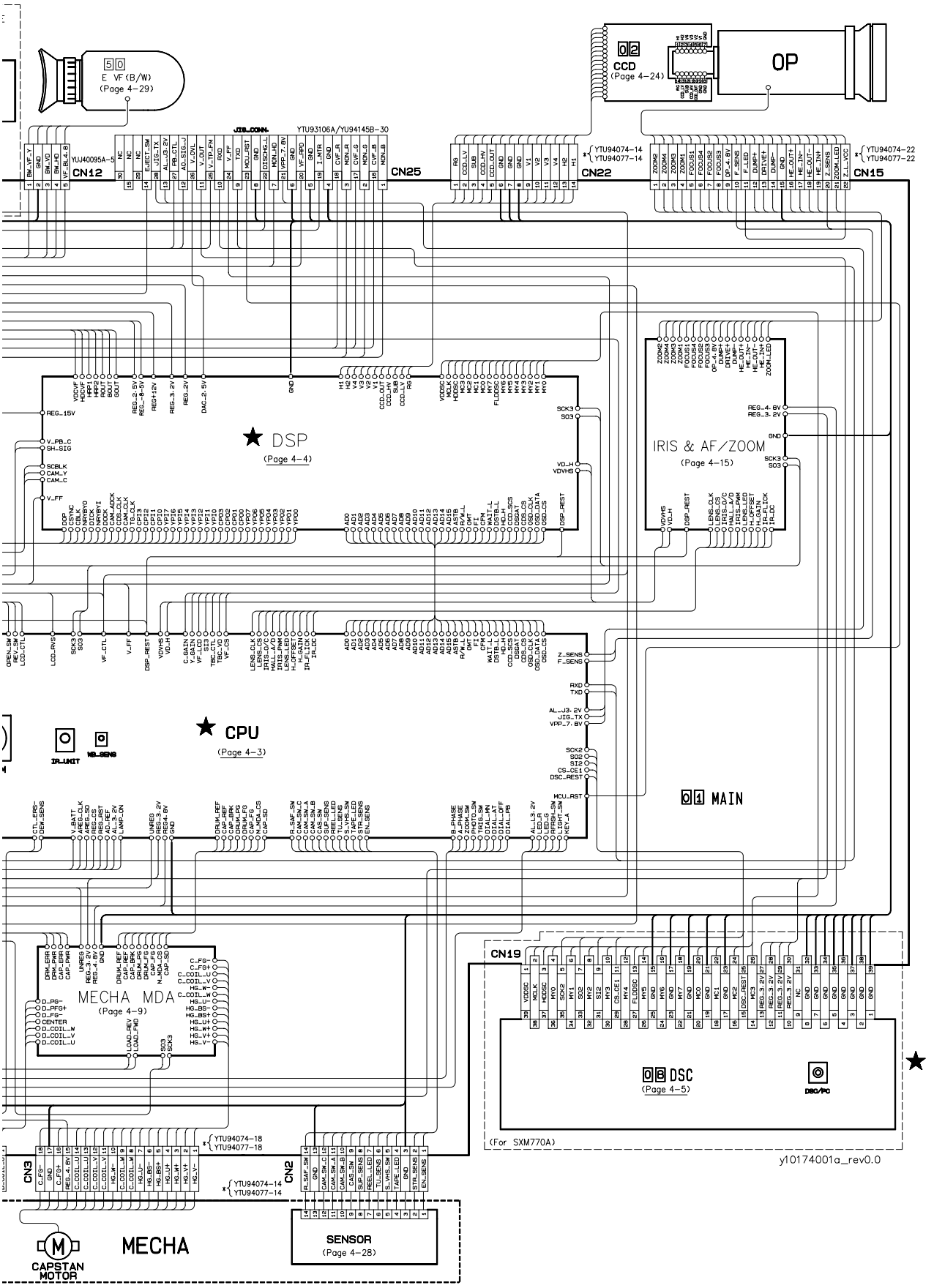


Note 1: How to find the page showing the continuative schematic diagram

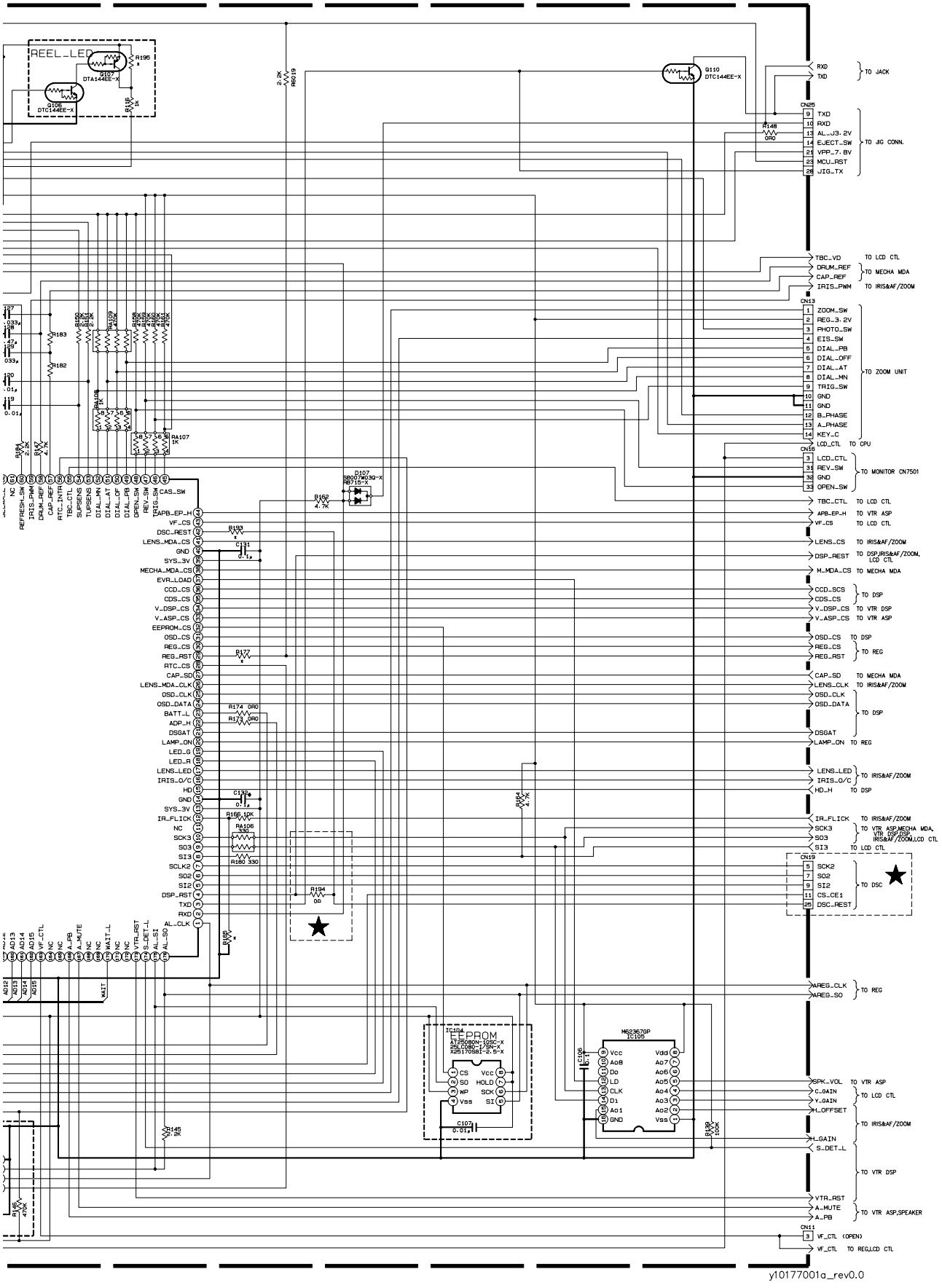
Example) TO REG (Page 4-19): ***Refer to the GR-FXM37EG, SXM607EG/EK service manaul (No. 86589)***

TO CPU (Page 4-3): ***Refer to this service manual***

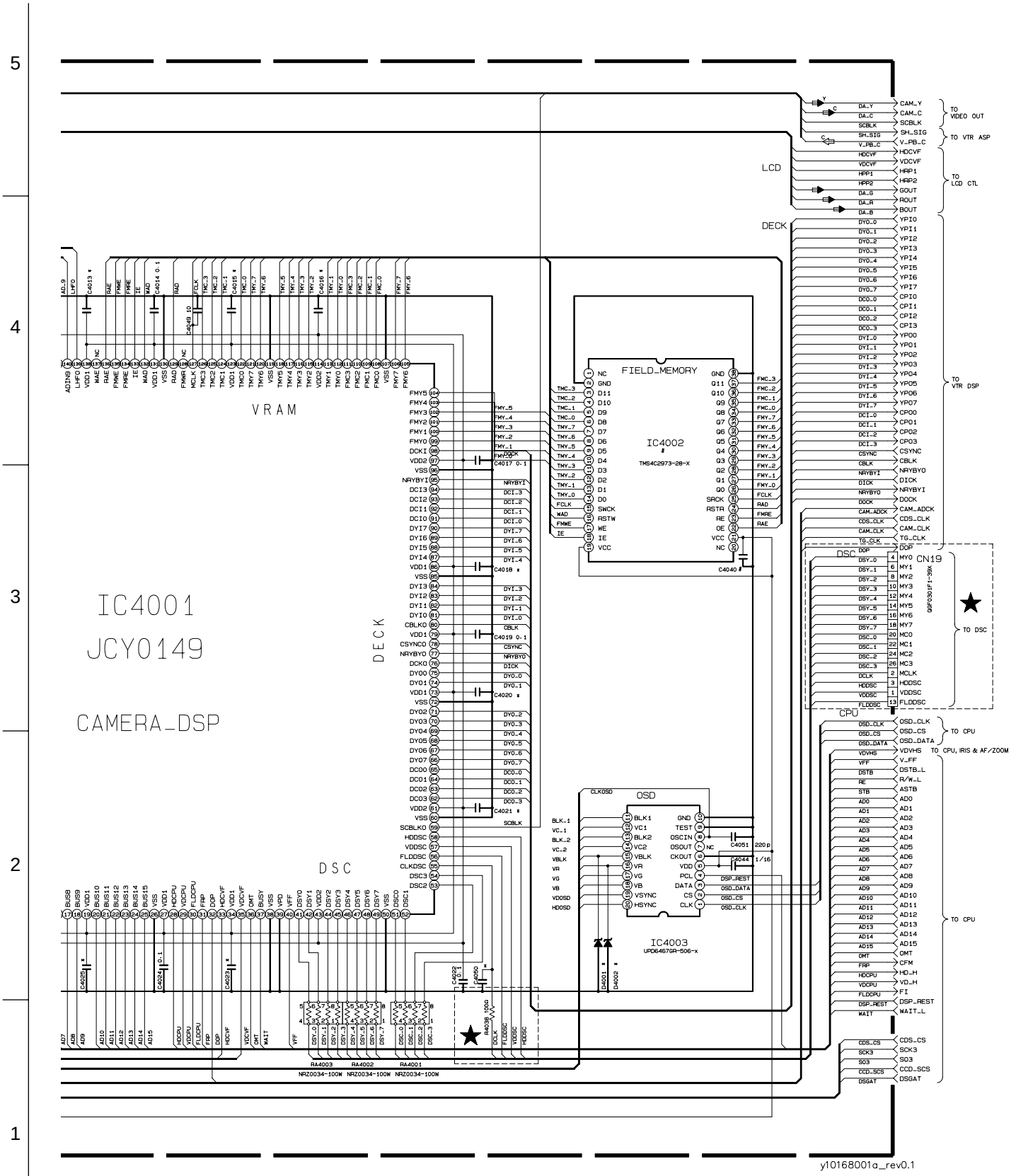
2: The mark ★ means modified points.



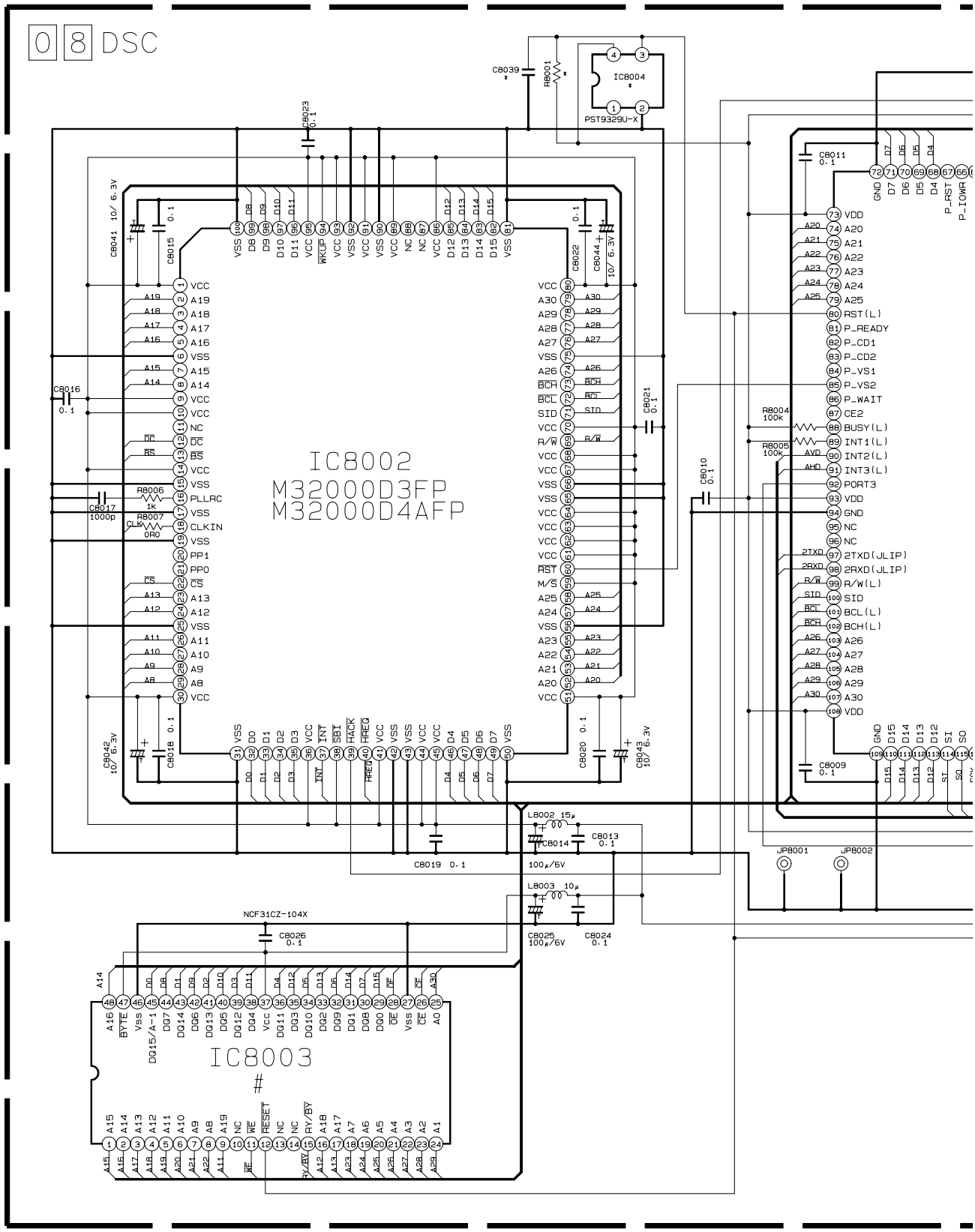
4.2 CPU SCHEMATIC DIAGRAM



4.3 DSP SCHEMATIC DIAGRAM



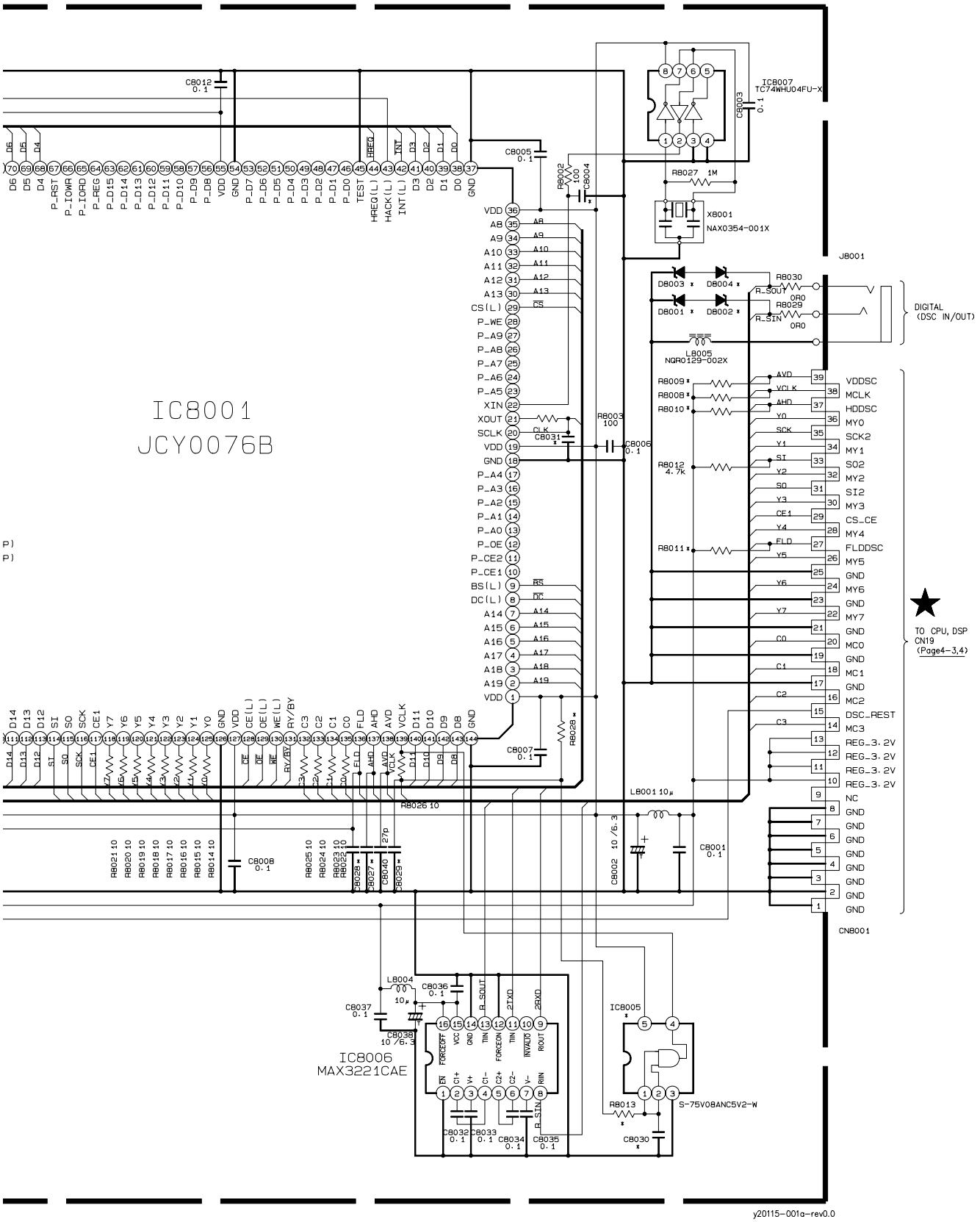
4.4 DSC SCHEMATIC DIAGRAM



NOTE : THE PARTS WITH MARKED (*) IS NOT USED.

EXCHANGE-PARTS-LIST

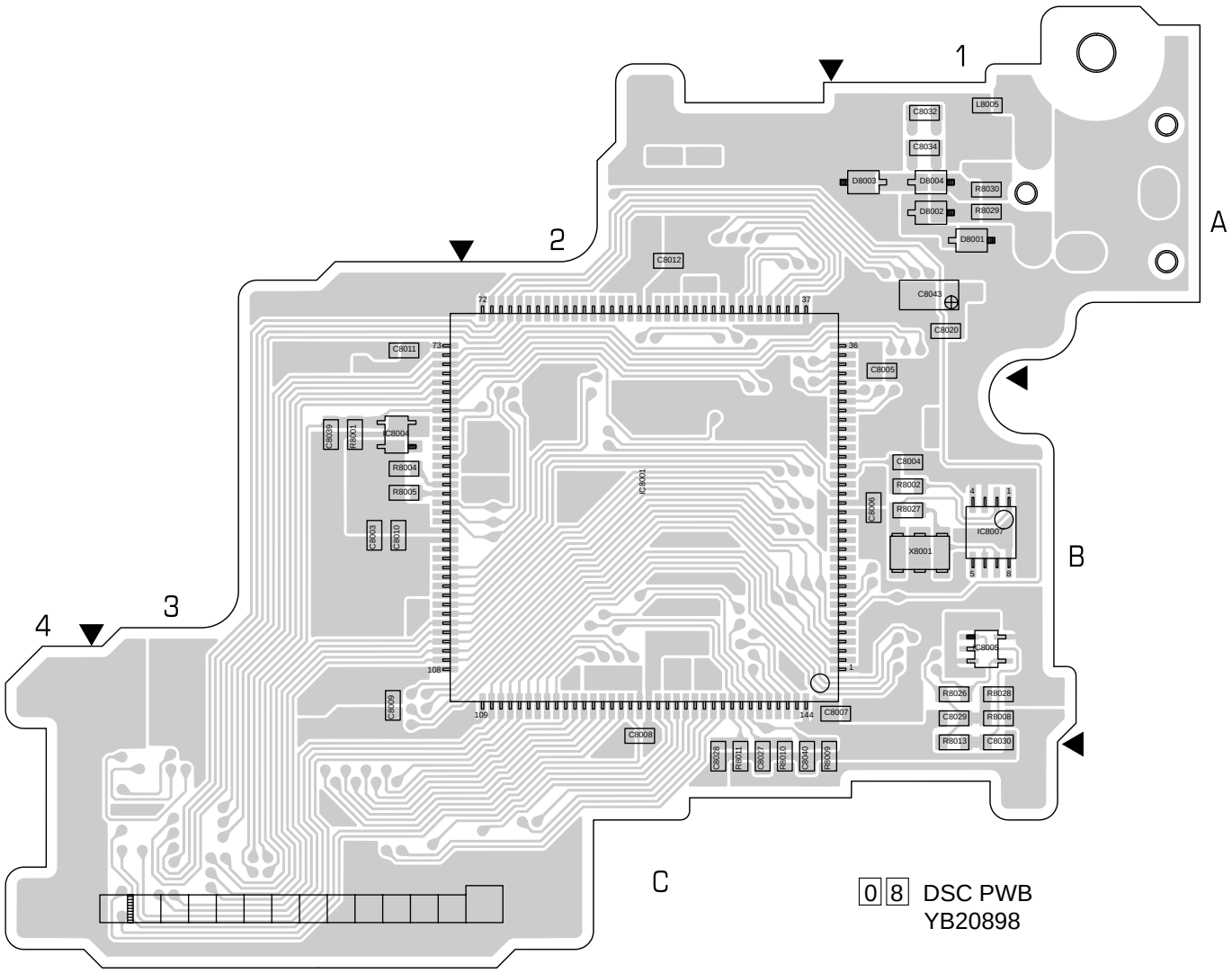
MODEL	IC8003
PAL	TC58FVT16FT0/79
NTSC	MBV160T90PTA04


IC8001
JCY0076B
IC8006
MAX3221CAE
IC8007
TC74WHU04FU-X
XB001
NAX0354-001X
J8001
DIGITAL
(DSC IN/OUT)
L8005
NQR0129-002X
TO CPU, DSP
CN19
(Page4-3,4)
CN8001
S-75V08ANC5V2-W
y20115-001a-rev0.0

4.5 DSC CIRCUIT BOARD

–FOR SXM770A–

FOIL SIDE (B)



08 DSC PWB
YB20898

COMPONENT PARTS LOCATION GUIDE <DSC>

REF.NO.	LOCATION		
CAPACITOR			
C8001	A	C	2A
C8002	A	C	2A
C8003	B	C	3B
C8004	B	C	1B
C8005	B	C	1A
C8006	B	C	1B
C8007	B	C	1B
C8008	B	C	2B
C8009	B	C	3B
C8010	B	C	3B
C8011	B	C	3A
C8012	B	C	2A

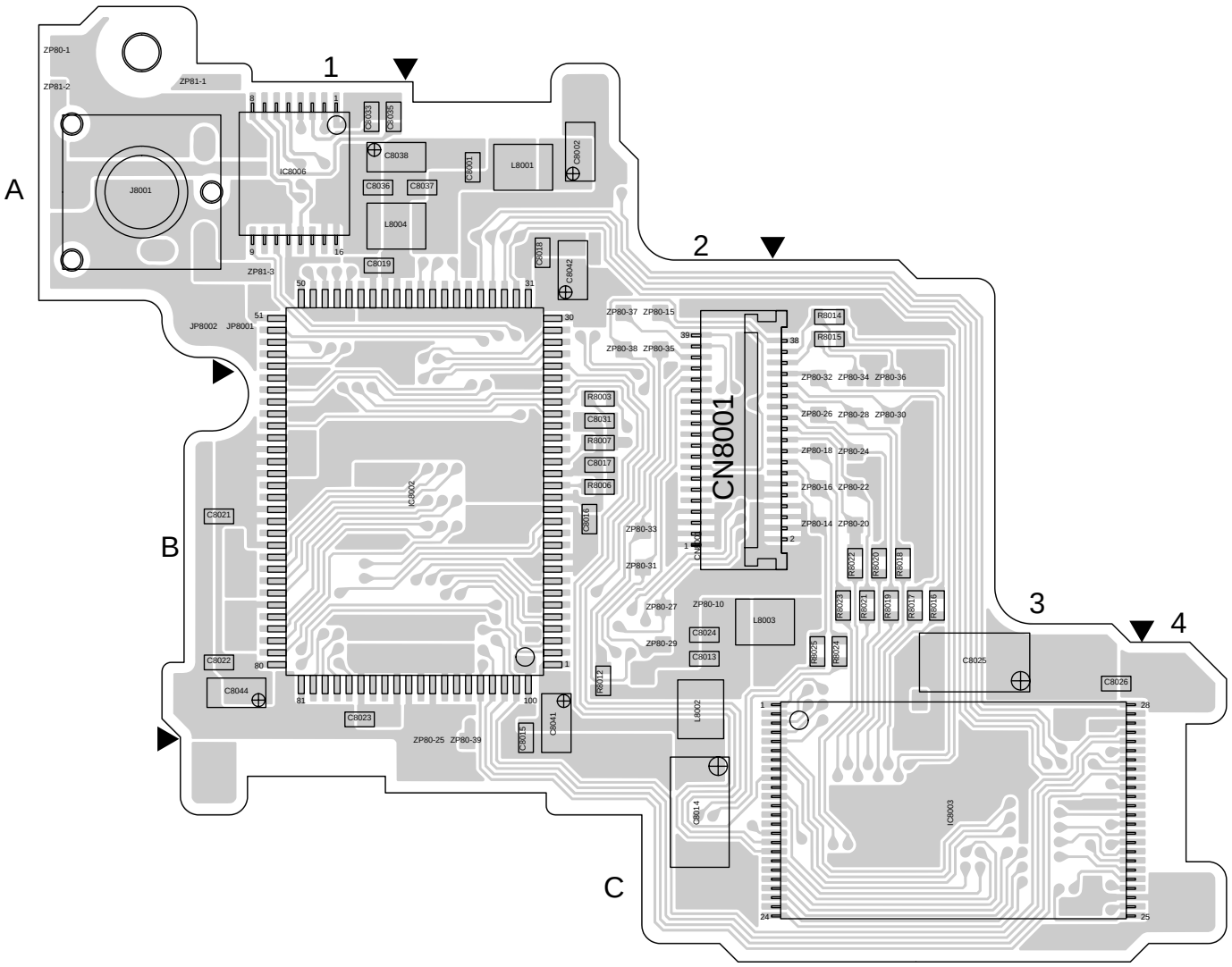
REF.NO.	LOCATION		
C8013	A	C	2B
C8014	A	C	2C
C8015	A	C	2B
C8016	A	C	2B
C8017	A	C	2B
C8018	A	C	2A
C8019	A	C	1A
C8020	B	C	1A
C8021	A	C	1B
C8022	A	C	1B
C8023	A	C	1B
C8024	A	C	2B
C8025	A	C	3B
C8026	A	C	3B

REF.NO.	LOCATION		
C8027	B	C	2C
C8028	B	C	2C
C8029	B	C	1B
C8030	B	C	1B
C8031	A	C	2B
C8032	B	C	1A
C8033	A	C	1A
C8034	B	C	1A
C8035	A	C	1A
C8036	A	C	1A
C8037	A	C	2A
C8038	A	C	1A
C8039	B	C	3B
C8040	B	C	2C

REF.NO.	LOCATION		
C8041	A	C	2B
C8042	A	C	2A
C8043	B	C	1A
C8044	A	C	1B
CONNECTOR			
CN8001	A	C	2B
DIODE			
D8001	B	C	1A
D8002	B	C	1A
D8003	B	C	1A
D8004	B	C	1A

REF.NO.	LOCATION		
IC			
IC8001	B	C	2B
IC8002	A	C	2B
IC8003	A	C	3C
IC8004	B	C	3B
IC8005	B	C	1B
IC8006	A	C	1A
IC8007	B	C	1B
COIL			
L8001	A	C	2A
L8002	A	C	2B
L8003	A	C	2B
L8004	A	C	1A

COMPONENT SIDE (A)



REF.NO.	LOCATION		
L8005	B	C	1A
RESISTOR			
R8001	B	C	3B
R8002	B	C	1B
R8003	A	C	2B
R8004	B	C	3B
R8005	B	C	3B
R8006	A	C	2B
R8007	A	C	2B
R8008	B	C	1B
R8009	B	C	2C
R8010	B	C	2C
R8011	B	C	2C

REF.NO.	LOCATION		
R8012	A	C	2B
R8013	B	C	1B
R8014	A	C	3A
R8015	A	C	3A
R8016	A	C	3B
R8017	A	C	3B
R8018	A	C	3B
R8019	A	C	3B
R8020	A	C	3B
R8021	A	C	3B
R8022	A	C	3B
R8023	A	C	3B
R8024	A	C	3B
R8025	A	C	3B

REF.NO.	LOCATION		
R8026	B	C	1B
R8027	B	C	1B
R8028	B	C	1B
R8029	B	C	1A
R8030	B	C	1A
OTHER			
J8001	A	D	1A
JP8001	A	D	1A
JP8002	A	D	1A
TM4	A	C	1B
TM8	A	C	1B
X8001	B	C	1B
ZP80-1	A	C	1A

REF.NO.	LOCATION		
ZP81-1	A	C	1A
ZP81-2	A	C	1A
ZP81-3	A	C	1A
ZP80-10	A	C	2B
ZP80-14	A	C	3B
ZP80-15	A	C	2A
ZP80-16	A	C	3B
ZP80-18	A	C	3B
ZP80-20	A	C	3B
ZP80-22	A	C	3B
ZP80-24	A	C	3B
ZP80-25	A	C	2B
ZP80-26	A	C	3B
ZP80-27	A	C	2B

REF.NO.	LOCATION		
ZP80-28	A	C	3B
ZP80-29	A	C	2B
ZP80-30	A	C	3B
ZP80-31	A	C	2B
ZP80-32	A	C	3B
ZP80-33	A	C	2B
ZP80-34	A	C	3B
ZP80-35	A	C	2A
ZP80-36	A	C	3B
ZP80-37	A	C	2A
ZP80-38	A	C	2A
ZP80-39	A	C	2B

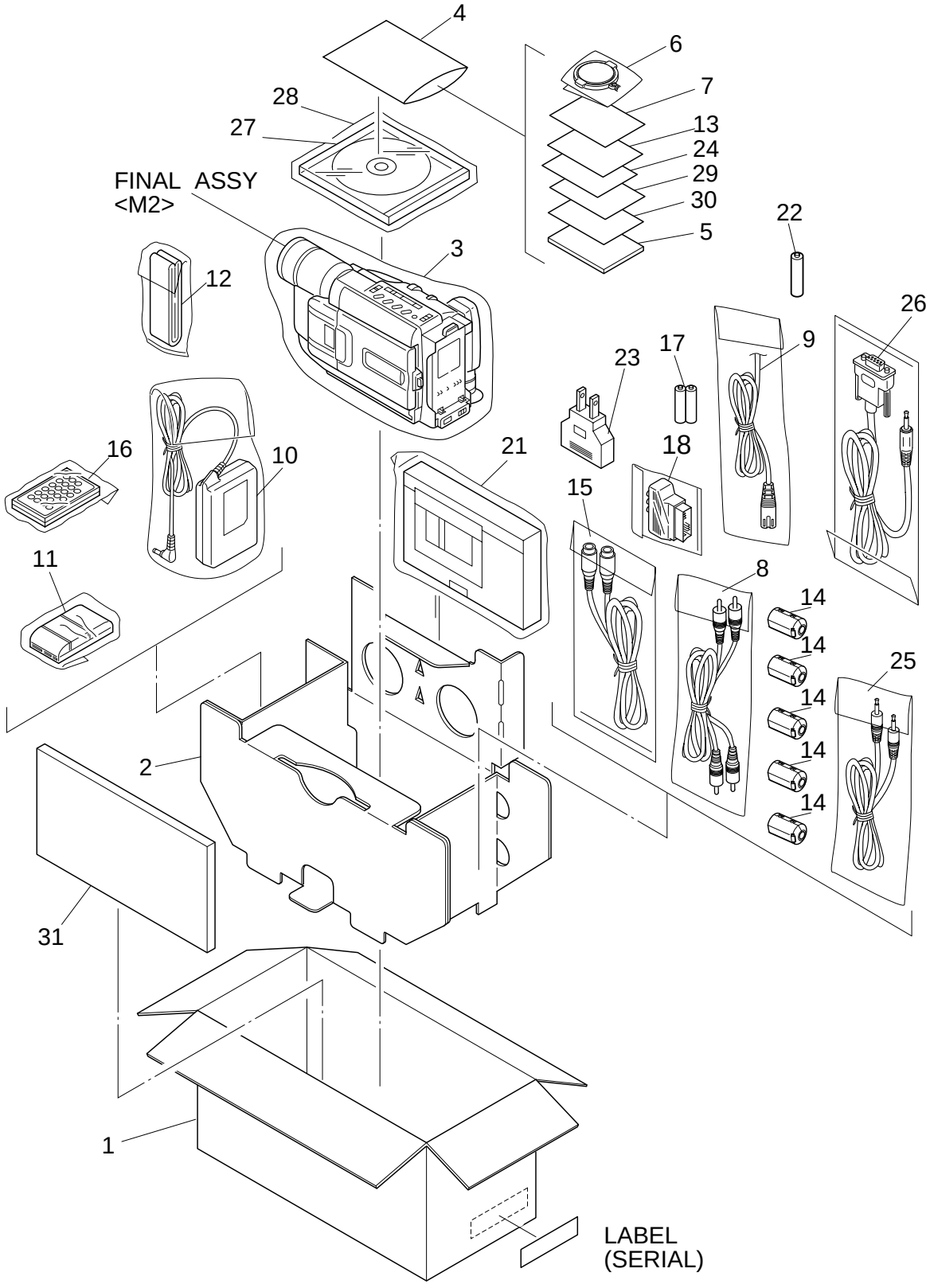
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻				

PACKING AND ACCESSORY ASSEMBLY <M1>

	1	LY32054-011A	PACKING CASE,F
		LY32054-027A	PACKING CASE,B
		LY32054-030A	PACKING CASE,E
		LY32054-077A	PACKING CASE,A
		LY32054-085A	PACKING CASE,D
		LY32179-004A	PACKING CASE,C
	2	LY32065-001A	CUSHION
	3	LY30023-002A	POLY BAG
	4	YQM30061-3	POLY BAG,F
		QPA02003506	POLY BAG,A,B,C,D,E
⚠	5	LYT0671-002A	IB(GE),C
⚠		LYT0671-003A	IB(FR),C
⚠		LYT0671-004A	IB(DU),C
⚠		LYT0671-005A	IB(SP),C
⚠		LYT0671-006A	IB(IT),C
⚠		LYT0671-007A	IB(DA),C
⚠		LYT0671-008A	IB(FI),C
⚠		LYT0671-009A	IB(SW),C
⚠		LYT0671-010A	IB(NO),C
⚠		LYT0671-011A	IB(RU),C
⚠		LYT0671-012A	IB(CZ),C
⚠		LYT0671-013A	IB(PO),C
⚠		LYT0671-014A	IB(HU),C
⚠		LYT0675-001A	IB(EN),F
⚠		LYT0675-002A	IB(CH),F
⚠		LYT0675-003A	IB(RU),F
⚠		LYT0675-004A	IB(AR),F
⚠		LYT0683-001A	IB(EN),A,B,D,E
⚠		LYT0683-002A	IB(CH),A,B,D,E
⚠		LYT0683-003A	IB(RU),A,B,D,E
⚠		LYT0683-004A	IB(AR),A,B,D,E
	6	LY41538-002B	LENS CAP
	7	BT-54013-1	WARRANTY CARD,C
	8	PEAC0362-150	CABLE ASSY(AUDIO/VIDEO)
⚠	9	QMPL120-190-JR	POWER CORD,A,C,D,F
⚠		QMPS110-190-JR	POWER CORD,B,E
⚠	10	LY20688-001A	AC ADAPTER,AP-V10EG,C
⚠		LY20688-003A	AC ADAPTER,AP-V10A,A,D,F
⚠		LY20688-004A	AC ADAPTER,AP-V10A-S,B,E
⚠	11	LY31199-001A	BATTERY PACK,BN-V20BU,C
⚠		YQ10629E	BATTERY PACK,BN-V11U,A,B,D,E,F
	12	LY20186-001A	SHOULDER STRAP
	13	YU30843-7-1	SOFT WARE PERM. F
	14	QQR0491-002	CORE FILTER,X3 A,B
		QQR0491-002	CORE FILTER,X4 C,D,E
		QQR0491-002	CORE FILTER,X5 F
	15	QAM0004-003	S CABLE,S-VIDEO CABLE,C,D,E,F
	16	LY20543-002A	REMOTE CONTROL UNIT,RM-V716U,D,E,F
		LY42129-001A	REMOTE CONTROL UNIT,RM-V715U,C
	17	–	AAA(R03)BATTERY,FOR RCU,X2 C,D,E,F
	18	QAM0302-001	ADAPTER PLUG,C
	21	YQ31963A-3	CASSETTE ADAPTER,A,B,D,E,F
		or YQ31963B-3	CASSETTE ADAPTER,A,B,D,E,F
	22	–	AA(R6)BATTERY,FOR CASS.ADAPTER,A,B,D,E,F
⚠	23	PEMC1012	CONVERSION PLUG,B,E
⚠		PEMC1012-02	CONVERSION PLUG,A,D,F

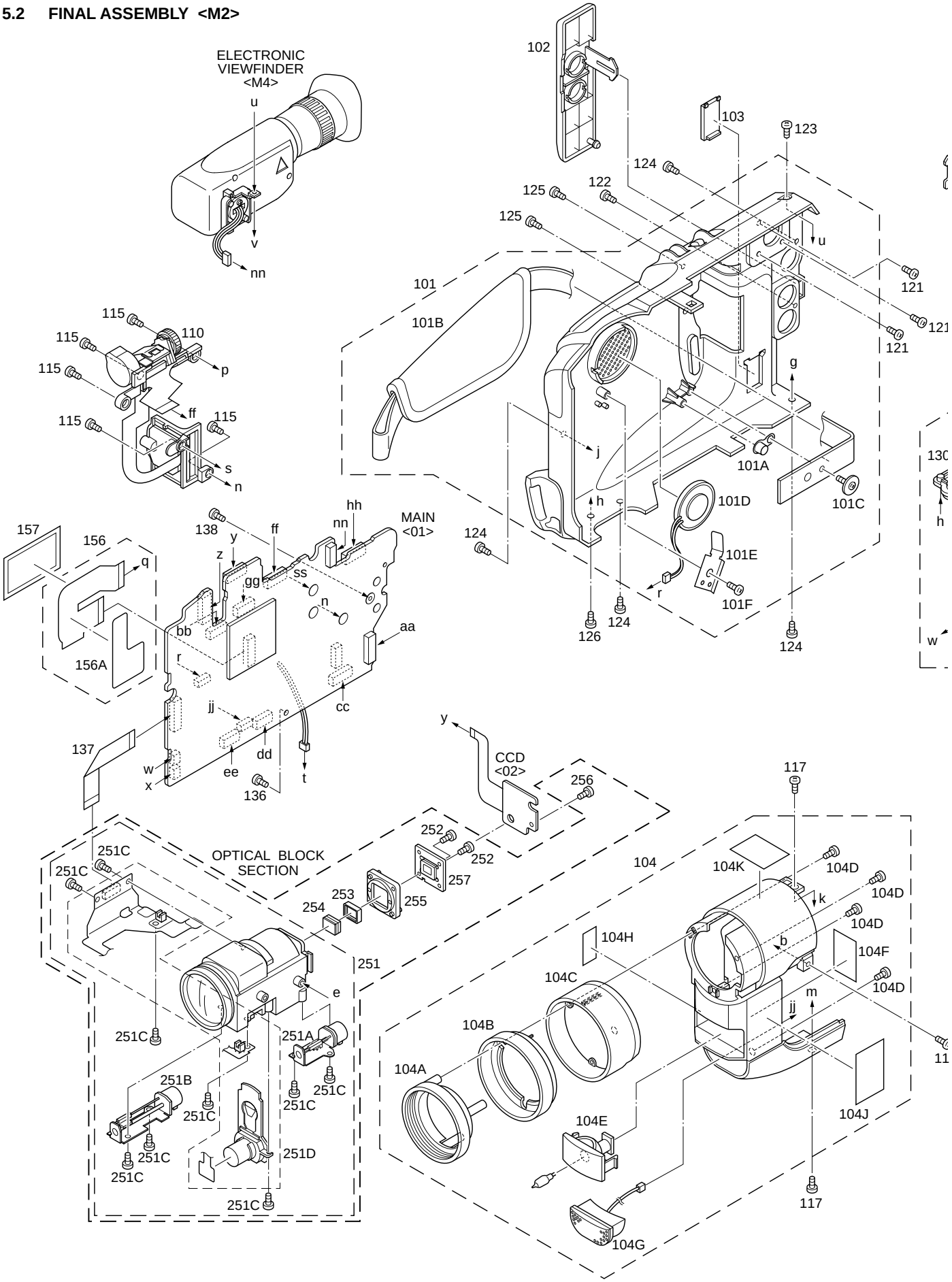
#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
		24	LYT0609-001A	SHEET(CON.PLUG),A,B,D,E,F
		25	PEAC0428-150	CABLE ASSY(EDITING),D,F
		26	QAM0084-001	PC CONNECTION CABLE,F
		27	LY31133-001B	CD ROM,F
		28	LY30023-010A	POLY BAG,F
		29	LYT0309-004A	SHEET(INSTALL),F
		30	LYT0378-003A	SHEET(AGREEMENT),F
		31	LY43032-001A	SPACER(PACKING),D,E,F

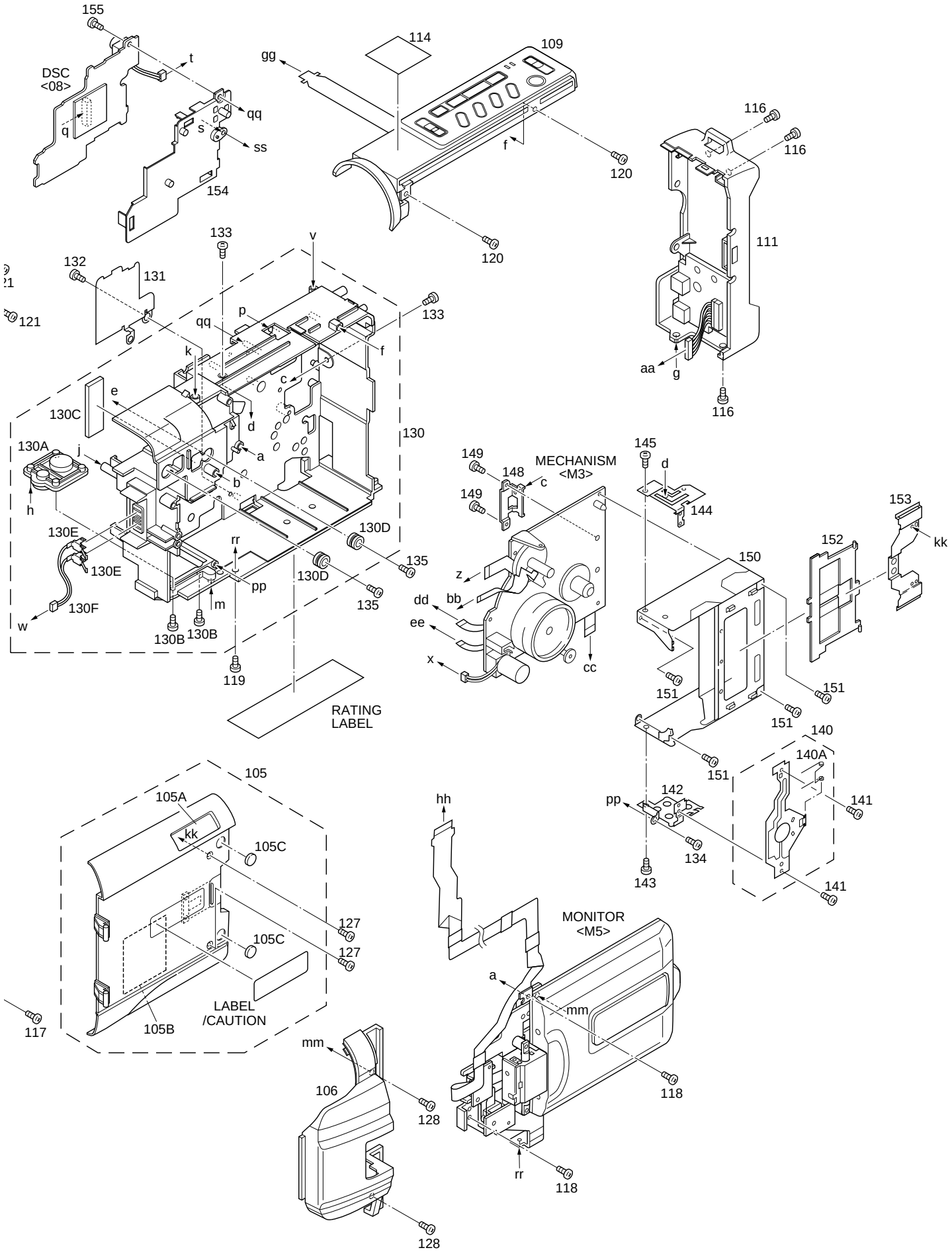
- **INSTRUCTIONS**

EN..... ENGLISH
GE ..... GERMANY
FR ..... FRENCH
DU ..... DUTCH
SP ..... SPANISH
IT ..... ITALIAN
DA..... DANISH
FI ..... FINNISH
SW..... SWEDISH
NO ..... NORWEGIAN
RU ..... RUSSIAN
CZ..... CZECH
PO ..... POLISH
HU ..... HUNGARIAN
CH ..... CHINESE
AR..... ARABIC

MODEL	MARK
GR-FXM270A	A
GR-FXM270A-S	B
GR-SXM57EG	C
GR-SXM470A	D
GR-SXM470A-S	E
GR-SXM770A	F

5.2 FINAL ASSEMBLY <M2>




155
DSC
<08>
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116
133
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130C
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130
130A
j
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130E
130D
rr
135
130E
130D
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135
130F
m
w
130B
130B
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RATING
LABEL
149
MECHANISM
<M3>
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c
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145
d
144
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kk
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z
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bb
ee
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cc
151
151
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151
140
140A
142
pp
141
134
143
141
105
105A
kk
105C
127
105C
127
117
105B
LABEL
/CAUTION
hh
MONITOR
<M5>
a
mm
118
mm
106
128
rr
118
128

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
**********		

FINAL ASSEMBLY <M2>

101	LY20684-006A	LOWER CASE ASSY,A,B
	LY20684-008A	LOWER CASE ASSY,C,D,E
	LY20684-009A	LOWER CASE ASSY,F
101A	LY40081-001A	CAP
101B	LY20682-001A	GRIP BELT
101C	LY30018-003A	SPECIAL SCREW
101D	QAS0061-001	SPEAKER
101E	LY42764-001B	HOLDER(SPEAKER)
101F	QYSLSF2050Z	SCREW
102	LY31945-001B	COVER(JACK)
103	LY31946-001A	COVER(JIG)
104	LY20683-007A	FRONT COVER ASSY,F
	LY20683-007B	FRONT COVER ASSY,A,B,D,E
	LY20683-009B	FRONT COVER ASSY,C
104A	LY31937-001A	HOOD
104B	LY31938-001A	COVER(HOOD)
104C	LY31936-001A	RING
104D	QYSLSF2060D	SCREW,X4
104E	LY32040-001A	DC LIGHT
104F	LY30029-0B4A	SPACER(A)
104G	LY32043-001A	MICROPHONE
104H	YQ44341-6	CAUTION LABEL
104J	LY32058-002A	STICKER(A)
104K	LY32060-002A	STICKER(C)
105	LY20694-002A	CASS.COVER(M)ASSY,A,B,D,E,F
	LY20694-003A	CASS.COVER(M)ASSY,C
105A	LY42883-001A	MARK
105B	LY40559-001A	SHIELD SHEET
105C	LY40076-001A	SPACER,X2
106	LY10257-003A	UPPER CASE(M),C
	LY10257-021A	UPPER CASE(M),A,B
	LY10257-022A	UPPER CASE(M),D,E
	LY10257-023A	UPPER CASE(M),F
109	LY20614-002B	TOP OPE UNIT,A,B,D,E
	LY20614-003B	TOP OPE UNIT,C
	LY20614-005B	TOP OPE UNIT,F
110	LY20613-001A	ZOOM UNIT
111	LY20615-001A	REAR UNIT,C,D,E,F
	LY20615-004A	REAR UNIT,A,B
114	LY32061-001A	STICKER(D),A,B,C,D,E
	LY32061-004A	STICKER(D),F
115	QYSLSF2060D	SCREW,X5
116	QYSLSF2060D	SCREW,X3
117	QYSLSF2060D	SCREW,X3
118	QYSLSF2060D	SCREW,X2
119	QYSLSP2030D	SCREW
120	QYSLSF2060D	SCREW,X2
121	QYSLSF2050Z	SCREW,X3
122	QYSLSF2060D	SCREW
123	QYSLSF2060D	SCREW
124	QYSLSF2060D	SCREW,X4
125	QYSLSF2060D	SCREW,X2
126	QYSLSF2060D	SCREW
127	QYSLSP2030D	SCREW,X2
128	QYSLSP2030D	SCREW,X2
130	LY20678-001A	FRAME ASSY
130A	YQ31843	BASE
130B	QYSLSF2060D	SCREW,X2
130C	LY30029-0A4A	SPACER(A)
130D	LY41082-001A	CUSHION(OP),X2
130E	YQ43810-1-1	CONTACT(LIGHT),X2
130F	WJM0167-001A	E-SI C WIRE C-F
131	LY42758-001A	S.CASE(MAIN)
132	QYSPSTU1725M	SCREW
133	LY41173-001A	SPECIAL SCREW,X2
134	QYSLSF1750D	SCREW
135	LY30018-050A	SPECIAL SCREW,X2
136	LY42981-001A	SPECIAL SCREW
137	WJT0039-001A	E-CARD WIRE,OP-MAIN CN15
138	QYSLSF2060D	SCREW
140	LY31790-001A	FRONT FRAME ASSY
140A	YQ44144-1-1	TAPE GUIDE
141	SPSH1725M	SCREW,X2
142	LY31807-001A	SIDE BRACKET L
143	LY42722-003A	SCREW
144	LY31806-001A	SIDE BRACKET R
145	LY42722-003A	SCREW
148	LY31816-001A	BRACKET(MECHA)
149	LY42722-003A	SCREW,X2
150	LY31808-001A	CASS.HOUSING ASSY
151	LY42722-003A	SCREW,X4
152	LY30176-001A	CASS.COV.INSIDE
153	LY31956-001A	BRACKET(C.COV.)
154	LY20645-001A	HOLDER(DSC P.),F
155	QYSLSF2060D	SCREW,F
156	LY42875-001A	FPC(DSC)ASSY,F
156A	LY42876-001A	S.SHEET(DSC FPC),F
157	YU40341	INSULATER,F

– OPTICAL BLOCK SECTION –

251	LY30948-003A	OP BLOCK ASSY
251A	PTY30948-002	FOCUS MOTOR
251B	PTY30948-321	ZOOM MOTOR
251C	PTY30151-016	SCREW,X9
251D	PTY30948-006	IRIS MOTOR UNIT,INCL.FPC
252	QYSPSGU2080Z	SCREW,X2
253	LY31441-001A	SPACER RUBBER
254	LY41757-001A	OPTICAL LPF
255	LY20346-001A	CCD SPACER
256	LY30018-072A	SPECIAL SCREW
257	LYH40132-002A	CCD BASE ASSY

5.3 ELECTRICAL PARTS LIST

MODEL	MARK	MODEL	MARK
GR-FXM270A	A	GR-SXM470A	D
GR-FXM270A-S	B	GR-SXM470A-S	E
GR-SXM57EG	C	GR-SXM770A	F

MAIN BOARD ASSEMBLY <01>

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
		PW	YB10310ED-01	MAIN BOARD ASSY,C
			YB10310EE-01	MAIN BOARD ASSY,F
			YB10310EK-01	MAIN BOARD ASSY,A,B
			YB10310EL-01	MAIN BOARD ASSY,D,E
		IC101	UPD703039-026	IC(MICRO C ROM)
			or UPD70F3040-026	IC(MICRO C ROM)
		IC102	TC7S86FU	IC(DIGITAL)
			or SN74AHC1G86K	IC
			or MC74VHC1G86DF	IC
		IC104	AT25080N-10SC-X	IC
			or X25170S8I-2.5-X	IC
			or 25LC080-I/SN-X	IC
		IC105	M62367GP	IC
		IC106	IC-PST9327U-X	IC
		IC107	RS5C314	IC
	⚠	IC1601	BD6630KV	IC
		IC1801	PIC-26043S	IR DETECT UNIT,C,D,E,F
		IC2001	MC74AC04DT	IC
		IC2401	NJM2073M-XE	IC
		IC3001	JCY0130	IC
		IC3002	74HC1G04GW	IC
		IC3501	HA118224F	IC
		IC4001	JCY0149	IC
		IC4002	TMS4C2973-28-X	IC
		IC4003	UPD6467GR-506-X	IC(MICRO C ROM)
		IC4201	UPC358G2/5/-W	IC
		IC4202	BA10324AF-XE	IC
		IC4251	BA10358F-XE	IC
		IC4501	UPD16835G3	IC
		IC4702	NJM2534V	IC,C
		IC5201	HD49326BF	IC
		IC5202	JCY0098	IC
		IC6001	FA3698F	IC
		IC7002	MN5814	IC
		IC7006	BA4558F	IC
		IC7007	TC7S04FU	IC(DIGITAL),A,B,C
			or SN74AHC1G04K	IC,A,B,C
			or MC74VHC1G04DF	IC,A,B,C
		IC7008	SN74LV4052APW	IC
		Q101	2SA1774/RS/-X	TRANSISTOR
		Q102	DTC144EE	TRANSISTOR
		Q103	2SC4617/QR/-X	TRANSISTOR
		Q104	DTC144EE	TRANSISTOR
		Q105	2SA1774/RS/-X	TRANSISTOR
		Q110	DTC144EE	TRANSISTOR
		Q111	DTC114EE	TRANSISTOR
		Q112	DTC114EE	TRANSISTOR
		Q113	2SC4097/QR/-X	TRANSISTOR
		Q2001	DTA114TE	TRANSISTOR
		Q2007	PUMX1	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
			or UMX1N	PAIR TRANSISTOR
		Q2008	PUMT1	PAIR TRANSISTOR
			or HN1A01FU/G/-X	PAIR TRANSISTOR
		Q2021	DTC144EE	TRANSISTOR
		Q2022	DTC144EE	TRANSISTOR
		Q2023	2SC4617/QR/-X	TRANSISTOR
		Q2071	2SC4617/QR/-X	TRANSISTOR
		Q2401	DTC144EE	TRANSISTOR
		Q2402	DTA144EE	TRANSISTOR
		Q3002	PUMX1	PAIR TRANSISTOR
			or UMX1N	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
		Q3003	2SC4097/QR/-X	TRANSISTOR
		Q3006	DTC144EE	TRANSISTOR,C,D,E,F
		Q3501	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q3502	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q3505	DTC144EE	TRANSISTOR,C,D,E,F
		Q3901	HN1A01FU/G/-X	PAIR TRANSISTOR
		Q4201	2SC4617/QR/-X	TRANSISTOR
		Q4251	RPM-22PB	PHOTO TRANSISTOR
		Q4501	DTC114EE	TRANSISTOR
		Q4701	PUMX1	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
		Q4702	2SC4617/QR/-X	TRANSISTOR
		Q4703	PUMX1	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
		Q4704	PUMT1	PAIR TRANSISTOR
			or HN1A01FU/G/-X	PAIR TRANSISTOR
		Q4705	2SC4617/QR/-X	TRANSISTOR,C,D,E,F
		Q4706	2SC4617/QR/-X	TRANSISTOR,C,D,E,F
		Q4707	2SC4617/QR/-X	TRANSISTOR,C,D,E,F
		Q4708	2SC4617/QR/-X	TRANSISTOR,C
		Q4709	2SC4617/QR/-X	TRANSISTOR,C
		Q4710	2SC4617/QR/-X	TRANSISTOR,C
		Q4711	PUMX1	PAIR TRANSISTOR,C,D,E,F
			or HN1C01FU/G/-X	PAIR TRANSISTOR,C,D,E,F
		Q4712	PUMT1	PAIR TRANSISTOR,C,D,E,F
			or HN1A01FU/G/-X	PAIR TRANSISTOR,C,D,E,F
		Q4713	PUMX1	PAIR TRANSISTOR,C,D,E,F
			or HN1C01FU/G/-X	PAIR TRANSISTOR,C,D,E,F
		Q4714	PUMT1	PAIR TRANSISTOR,C,D,E,F
			or HN1A01FU/G/-X	PAIR TRANSISTOR,C,D,E,F
		Q4715	PUMX1	PAIR TRANSISTOR,C,D,E,F
			or HN1C01FU/G/-X	PAIR TRANSISTOR,C,D,E,F
		Q4716	DTC144EE	TRANSISTOR,C
		Q4717	DTA144EE	TRANSISTOR,C
		Q6101	SSM6J07FU	MOS FET
		Q6106	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q6107	SSM3J05FU	MOS FET
		Q6201	SSM6J07FU	MOS FET
		Q6301	CPH3304	MOS FET
		Q6306	SSM3K02F	MOS FET
		Q6307	2SC4617/QR/-X	TRANSISTOR
		Q6308	CPH3101	TRANSISTOR
		Q6401	SSM6J07FU	MOS FET
		Q6501	SSM6J07FU	MOS FET
		Q6601	CPH3304	MOS FET
		Q6608	DTC144EE	TRANSISTOR
		Q6621	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q6622	2SA1577/QR/-X	TRANSISTOR
		Q6701	FX802	TRANSISTOR
		Q6702	2SC4097/QR/-X	TRANSISTOR
		Q6801	2SA1577/QR/-X	TRANSISTOR
		Q6811	2SB1121/TU/-X	TRANSISTOR
		Q7003	PUMX1	PAIR TRANSISTOR
		Q7011	PUMX1	PAIR TRANSISTOR
		Q7013	PUMX1	PAIR TRANSISTOR

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		Q7015	PUMX1	PAIR TRANSISTOR	
		Q7017	2SC4617/QR/-X	TRANSISTOR	
		Q7018	2SA1774/QR/-X	TRANSISTOR	
		Q7019	2SC4617/QR/-X	TRANSISTOR	
		Q7020	2SA1774/QR/-X	TRANSISTOR	
		Q7022	DTC144EE	TRANSISTOR,A,B,C	
	⚠	D101	SB007W03Q	SB DIODE	
		D102	UDZS7.5B	ZENER DIODE	
		D105	1SS355	DIODE	
		D106	1SS355	DIODE	
		D107	SB007W03Q	SB DIODE	
		D501	MA8068	ZENER DIODE	
		D502	MA8068	ZENER DIODE	
		D3001	DAN222	DIODE,C,D,E,F	
		D5201	1SS355	DIODE	
		D6001	CRS03	SB DIODE	
		D6101	CRS03	SB DIODE	
		D6106	1SS357	SB DIODE	
		D6201	CRS03	SB DIODE	
		D6301	CRS03	SB DIODE	
		D6401	CRS03	SB DIODE	
		D6501	CRS03	SB DIODE	
		D6601	1SS383	SB DIODE	
		D6616	UDZS5.1(B)	ZENER DIODE	
		D7002	MA365	VARI CAP DIODE	
		D7004	RB471E	SB DIODE	
		R101	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	⚠	R104	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R105	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R106	NRSA63J-561X	MG RESISTOR	560Ω,1/16W
		R107	NRVA63D-153X	CMF RESISTOR	15kΩ,1/16W
		R108	NRVA63D-243X	CMF RESISTOR	24kΩ,1/16W
		R109	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
		R110	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R111	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
		R112	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
		R113	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
		R114	NRSA63J-821X	MG RESISTOR	820Ω,1/16W
		R115	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
		R116	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R118	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R119	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R120	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
		R121	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
		R122	NRSA63J-393X	MG RESISTOR	39kΩ,1/16W
		R123	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R124	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R125	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
		R126	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
		R127	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
		R128	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R129	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R130	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R131	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R132	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R133	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R134	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R135	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R136	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R138	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
		R139	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R140	NRSA63J-753X	MG RESISTOR	75kΩ,1/16W
		R141	NRSA63J-334X	MG RESISTOR	330kΩ,1/16W
		R142	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R143	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R144	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
		R145	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R146	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R147	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
		R148	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R149	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R150	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R151	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R152	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R153	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R158	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R159	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R160	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
		R161	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R162	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
		R163	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
		R164	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
		R166	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R167	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
		R168	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
		R170	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
		R171	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R172	NRSA63J-151X	MG RESISTOR	150Ω,1/16W
		R173	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R174	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R175	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R176	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
		R180	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
		R182	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R183	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R184	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R188	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
		R190	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
		R191	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R192	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
		R194	NRSA63J-0R0X	MG RESISTOR,F	0Ω/16W
		R195	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R504	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
		R505	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
		R1601	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
		R1602	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
		R1603	NRSA63J-154X	MG RESISTOR	150kΩ,1/16W
		R1604	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R1605	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R1606	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R1607	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R1608	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R1609	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
		R1610	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R1612	NRSA63J-392X	MG RESISTOR	3.9kΩ,1/16W
		R1613	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
		R1614	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
		R1615	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
		R1617	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
		R1618	NRSA63J-154X	MG RESISTOR	150kΩ,1/16W
		R1619	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
		R1620	NRSA63J-684X	MG RESISTOR	680kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1621	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R1622	NRSA63J-224X	MG RESISTOR	220kΩ,1/16W
R1623	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R1624	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R1625	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R1626	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R1628	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1629	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1630	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1631	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
R1632	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
R1633	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R2001	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2002	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R2003	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2004	NRSA63J-681X	MG RESISTOR	680Ω,1/16W
R2005	NRSA63J-272X	MG RESISTOR	2.7kΩ,1/16W
R2006	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2011	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R2012	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R2021	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R2022	NRSA63J-334X	MG RESISTOR	330kΩ,1/16W
R2023	NRSA63J-820X	MG RESISTOR	82Ω,1/16W
R2024	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R2025	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
R2026	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2027	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2028	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2029	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2030	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2031	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R2032	NRSA63J-270X	MG RESISTOR	27Ω,1/16W
R2051	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2071	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2072	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
R2401	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R2402	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
R2403	NRSA63J-2R2X	MG RESISTOR	2.2Ω,1/16W
R2404	NRSA63J-2R2X	MG RESISTOR	2.2Ω,1/16W
R2405	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2406	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R3001	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R3002	NRVA63D-471X	CMF RESISTOR	470Ω,1/16W
R3004	NRVA63D-333X	CMF RESISTOR	33kΩ,1/16W
R3006	NRVA63D-561X	CMF RESISTOR	560Ω,1/16W
R3007	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R3008	NRSA63J-393X	MG RESISTOR	39kΩ,1/16W
R3009	NRSA63J-272X	MG RESISTOR	2.7kΩ,1/16W
R3010	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R3014	NRSA63J-681X	MG RESISTOR	680Ω,1/16W
R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R3016	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R3018	NRSA63J-271X	MG RESISTOR	270Ω,1/16W
R3023	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
R3027	NRSA63J-103X	MG RESISTOR,C,D,E,F	10kΩ,1/16W
R3028	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
R3029	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R3030	NRSA63J-561X	MG RESISTOR	560Ω,1/16W
R3034	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R3038	NRSA63J-392X	MG RESISTOR	3.9kΩ,1/16W
R3501	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
R3502	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3504	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3505	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3506	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3507	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R3508	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
R3901	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R3902	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R3903	NRSA63J-182X	MG RESISTOR	1.8kΩ,1/16W
R4001	NRSA63J-113X	MG RESISTOR	11kΩ,1/16W
R4002	NRSA63J-123X	MG RESISTOR	12kΩ,1/16W
R4003	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
R4004	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4006	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R4007	NRVA63D-392X	CMF RESISTOR	3.9kΩ,1/16W
R4008	NRVA63D-272X	CMF RESISTOR	2.7kΩ,1/16W
R4009	NRVA63D-152X	CMF RESISTOR	1.5kΩ,1/16W
R4010	NRVA63D-122X	CMF RESISTOR	1.2kΩ,1/16W
R4011	NRVA63D-152X	CMF RESISTOR	1.5kΩ,1/16W
R4012	NRVA63D-122X	CMF RESISTOR	1.2kΩ,1/16W
R4013	NRVA63D-152X	CMF RESISTOR	1.5kΩ,1/16W
R4014	NRVA63D-122X	CMF RESISTOR	1.2kΩ,1/16W
R4036	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R4037	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R4038	NRSA63J-101X	MG RESISTOR,F	100Ω,1/16W
R4201	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4202	NRSA63J-563X	MG RESISTOR	56kΩ,1/16W
R4203	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4204	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
R4205	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R4206	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4207	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4208	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R4209	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4210	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R4211	NRSA63J-243X	MG RESISTOR	24kΩ,1/16W
R4214	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R4215	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R4216	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4217	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R4218	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R4219	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4220	NRSA63J-152X	MG RESISTOR	1.5kΩ,1/16W
R4221	NRSA63J-334X	MG RESISTOR	330kΩ,1/16W
R4222	NRSA63J-154X	MG RESISTOR	150kΩ,1/16W
R4223	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
R4224	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R4251	NRSA63J-182X	MG RESISTOR	1.8kΩ,1/16W
R4252	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4253	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4254	NRSA63J-684X	MG RESISTOR	680kΩ,1/16W
R4255	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R4256	NRSA63J-824X	MG RESISTOR	820kΩ,1/16W
R4257	NRSA63J-822X	MG RESISTOR	8.2kΩ,1/16W
R4258	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4259	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R4262	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
⚠ R4501	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
⚠ R4502	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
⚠ R4503	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
⚠ R4504	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R4505	NRSA63J-271X	MG RESISTOR	270Ω,1/16W
R4507	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4508	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4514	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R4515	NRSA63J-182X	MG RESISTOR	1.8kΩ,1/16W
R4701	NRSA63J-0R0X	MG RESISTOR,A,B	0Ω,1/16W
R4702	NRSA63J-101X	MG RESISTOR,C,D,E,F	100Ω,1/16W
	NRSA63J-750X	MG RESISTOR,A,B	75Ω,1/16W
R4703	NRVA63D-561X	CMF RESISTOR	560Ω,1/16W
R4704	NRVA63D-272X	CMF RESISTOR	2.7kΩ,1/16W
R4705	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
R4706	NRSA63J-681X	MG RESISTOR	680Ω,1/16W
R4707	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
R4708	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4709	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R4710	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R4711	NRSA63J-151X	MG RESISTOR,C,D,E,F	150Ω,1/16W
R4712	NRVA63D-561X	CMF RESISTOR,C,D,E,F	560Ω,1/16W
R4713	NRSA63J-681X	MG RESISTOR,C,D,E,F	680Ω,1/16W
R4714	NRSA63J-122X	MG RESISTOR,C,D,E,F	1.2kΩ,1/16W
R4715	NRSA63J-0R0X	MG RESISTOR,D,E,F	0Ω,1/16W
R4716	NRVA63D-561X	CMF RESISTOR,C,D,E,F	560Ω,1/16W
R4717	NRVA63D-222X	CMF RESISTOR,C,D,E,F	2.2kΩ,1/16W
R4718	NRSA63J-104X	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R4719	NRSA63J-222X	MG RESISTOR,C,D,E,F	2.2kΩ,1/16W
R4720	NRSA63J-0R0X	MG RESISTOR,A,B	0Ω,1/16W
R4721	NRVA63D-750X	CMF RESISTOR,C,D,E,F	75Ω,1/16W
R4722	NRVA63D-680X	CMF RESISTOR,C,D,E,F	68Ω,1/16W
	NRVA63D-750X	MG RESISTOR,A,B	75Ω,1/16W
R4723	NRVA63D-680X	CMF RESISTOR,C,D,E,F	68Ω,1/16W
R4724	NRSA63J-391X	MG RESISTOR,C	390Ω,1/16W
R4725	NRSA63J-822X	MG RESISTOR,C	8.2kΩ,1/16W
R4726	NRSA63J-121X	MG RESISTOR,C	120Ω,1/16W
R4727	NRSA63J-102X	MG RESISTOR,C	1kΩ,1/16W
R4728	NRSA63J-471X	MG RESISTOR,C	470Ω,1/16W
R4729	NRSA63J-153X	MG RESISTOR,C	15kΩ,1/16W
R4730	NRSA63J-103X	MG RESISTOR,C	10kΩ,1/16W
R4731	NRSA63J-102X	MG RESISTOR,C	1kΩ,1/16W
R4732	NRSA63J-222X	MG RESISTOR,C	2.2kΩ,1/16W
R4733	NRSA63J-102X	MG RESISTOR,C	1kΩ,1/16W
R4734	NRSA63J-102X	MG RESISTOR,C	1kΩ,1/16W
R4735	NRSA63J-332X	MG RESISTOR,C,D,E,F	3.3kΩ,1/16W
R4736	NRSA63J-332X	MG RESISTOR,C,D,E,F	3.3kΩ,1/16W
R4737	NRSA63J-104X	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R4738	NRSA63J-332X	MG RESISTOR,C,D,E,F	3.3kΩ,1/16W
R4739	NRSA63J-332X	MG RESISTOR,C,D,E,F	3.3kΩ,1/16W
R4741	NRVA63D-152X	CMF RESISTOR,C,D,E,F	1.5kΩ,1/16W
R4743	NRVA63D-153X	CMF RESISTOR,C,D,E,F	15kΩ,1/16W
R4744	NRVA63D-222X	CMF RESISTOR,C,D,E,F	2.2kΩ,1/16W
R4745	NRSA63J-471X	MG RESISTOR,C,D,E,F	470Ω,1/16W
R4746	NRVA63D-222X	CMF RESISTOR,C,D,E,F	2.2kΩ,1/16W
R4747	NRVA63D-471X	CMF RESISTO,C,D,E,F	470Ω,1/6W
R4748	NRVA63D-333X	CMF RESISTOR,A,B	33kΩ,1/16W
R5201	NRSA63J-243X	MG RESISTOR	24kΩ,1/16W
R5202	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R5203	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R5204	NRSA63J-0R0X	MG RESISTOR,A,B	0Ω,1/16W
R5212	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R5213	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R5214	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R5215	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R5216	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R5217	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R5218	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R5220	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R6001	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R6002	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
R6003	NRVA63D-912X	CMF RESISTOR	9.1kΩ,1/16W
R6004	NRVA63D-471X	CMF RESISTOR	470Ω,1/16W
R6005	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R6006	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R6008	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R6009	NRSA63J-224X	MG RESISTOR	220kΩ,1/16W
R6010	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R6011	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R6012	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R6015	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R6016	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R6019	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R6103	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R6104	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R6106	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
R6107	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R6108	NRVA63D-153X	CMF RESISTOR	15kΩ,1/16W
R6109	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R6110	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R6203	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R6204	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R6303	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R6304	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
R6306	NRS12BK-R47W	MG RESISTOR	0.47Ω,1/2W
R6307	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R6309	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R6310	NRSA63J-152X	MG RESISTOR	1.5kΩ,1/16W
R6311	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R6403	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R6404	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
R6406	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
R6407	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
R6503	NRSA63J-243X	MG RESISTOR	24kΩ,1/16W
R6504	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R6506	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R6507	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
R6603	NRVA63D-683X	CMF RESISTOR	68kΩ,1/16W
R6604	NRVA63D-392X	CMF RESISTOR	3.9kΩ,1/16W
R6605	NRSA63J-274X	MG RESISTOR	270kΩ,1/16W
R6606	NRSA63J-272X	MG RESISTOR	2.7kΩ,1/16W
R6612	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
R6613	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R6614	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R6616	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R6622	NRVA63D-104X	CMF RESISTOR	100kΩ,1/16W
R6623	NRVA63D-473X	CMF RESISTOR	47kΩ,1/16W
R6624	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
R6625	NRSA63J-822X	MG RESISTOR	8.2kΩ,1/16W
R6626	NRVA63D-563X	CMF RESISTOR	56kΩ,1/16W
R6627	NRVA63D-363X	CMF RESISTOR	36kΩ,1/16W
R6701	NRSA63J-680X	MG RESISTOR	68Ω,1/16W
R6702	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
R6704	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
R6706	NRZ0058-R20X	MG RESISTOR	0.2Ω,1/2W
R6707	NRS016J-121X	MG RESISTOR	120Ω,1W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R6708	NRS016J-121X	MG RESISTOR	120Ω,1W
R6709	NRS016J-121X	MG RESISTOR	120Ω,1W
R6710	NRVA63D-823X	CMF RESISTOR	82kΩ,1/16W
R6711	NRVA63D-333X	CMF RESISTOR	33kΩ,1/16W
R6712	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R6713	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
R6801	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R6803	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R6804	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R6810	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R6811	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R6813	NRVA63D-104X	CMF RESISTOR	100kΩ,1/16W
R6814	NRVA63D-683X	CMF RESISTOR	68kΩ,1/16W
R6820	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7021	NRSA63J-0R0X	MG RESISTOR,D,E,F	0Ω,1/16W
R7029	NRSA63J-0R0X	MG RESISTOR,D,E,F	0Ω,1/16W
R7031	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
R7032	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7033	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R7035	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R7040	NRVA63D-333X	CMF RESISTOR	33kΩ,1/16W
R7042	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7043	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7044	NRVA63D-432X	CMF RESISTOR,D,E,F	4.3kΩ,1/16W
	NRVA63D-752X	CMF RESISTOR,A,B,C	7.5kΩ,1/16W
R7045	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7046	NRSA63J-103X	MG RESISTOR,A,B,C	10kΩ,1/16W
R7049	NRSA63J-680X	MG RESISTOR	68Ω,1/16W
R7050	NRSA63J-680X	MG RESISTOR	68Ω,1/16W
R7051	NRSA63J-680X	MG RESISTOR	68Ω,1/16W
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7067	NRSA63J-223X	MG RESISTOR,A,B,C	22kΩ,1/16W
	NRSA63J-682X	MG RESISTOR,D,E,F	6.8kΩ,1/16W
R7068	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7069	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7070	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7071	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7072	NRSA02J-122X	MG RESISTOR,D,E,F	1.2kΩ,1/10W
	NRSA02J-182X	MG RESISTOR,A,B,C	1.8kΩ,1/10W
R7073	NRSA02J-331X	MG RESISTOR,A,B,C	330Ω,1/10W
	NRSA02J-821X	MG RESISTOR,D,E,F	10kΩ,1/16W
R7077	NRVA63D-682X	CMF RESISTOR	6.8kΩ,1/16W
R7083	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R7086	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7091	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7093	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7096	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7110	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R7112	NRVA63D-332X	CMF RESISTOR	3.3kΩ,1/16W
R7114	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7116	NRVA63D-332X	CMF RESISTOR	3.3kΩ,1/16W
R7118	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7120	NRVA63D-332X	CMF RESISTOR	3.3kΩ,1/16W
R7122	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7124	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7127	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7128	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7129	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7130	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7131	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R7132	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7139	NRVA63D-911X	CMF RESISTOR	910Ω,1/16W
R7142	NRSA63J-0R0X	MG RESISTOR,D,E,F	0Ω,1/16W
R7143	NRSA63J-0R0X	MG RESISTOR,A,B,C	0Ω,1/16W
RA101	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA102	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA103	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA104	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA105	NRZ0038-473X	NETWORK RESISTOR	47kΩ
RA106	NRZ0037-331X	NETWORK RESISTOR	330Ω
RA107	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA108	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA109	NRZ0038-474X	NETWORK RESISTOR	470kΩ
RA4001	NRZ0034-100W	NETWORK RESISTOR,F	10Ω
RA4002	NRZ0034-100W	NETWORK RESISTOR,F	10Ω
RA4003	NRZ0034-100W	NETWORK RESISTOR,F	10Ω
C102	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C103	NBE41AM-106X	T CAPACITOR	10μF,10V
C104	NCB31EK-103X	CAPACITOR	0.01μF,25V
C105	NCB31CK-104X	CAPACITOR	0.1μF,16V
C106	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C107	NCB31EK-103X	CAPACITOR	0.01μF,25V
C108	NBE21AM-225X	T CAPACITOR	2.2μF,10V
C109	NBE41AM-106X	T CAPACITOR	10μF,10V
C110	NDC31HJ-101X	CAPACITOR	100pF,50V
C111	NEA70JM-226X	E CAPACITOR	22μF,6.3V
C112	NEA70JM-226X	E CAPACITOR	22μF,6.3V
C113	NCB31EK-103X	CAPACITOR	0.01μF,25V
C114	NCB31EK-103X	CAPACITOR	0.01μF,25V
C115	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C116	NCB31EK-103X	CAPACITOR	0.01μF,25V
C118	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C119	NCB31EK-103X	CAPACITOR	0.01μF,25V
C120	NCB31EK-103X	CAPACITOR	0.01μF,25V
C121	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C122	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C123	NDC31HJ-100X	CAPACITOR	10pF,50V
C124	NDC31HJ-100X	CAPACITOR	10pF,50V
C125	NCB31EK-103X	CAPACITOR	0.01μF,25V
C126	NDC31HJ-120X	CAPACITOR	12pF,50V
C127	NCB31CK-333X	CAPACITOR	0.033μF,16V
C128	NCB21CK-474X	CAPACITOR	0.47μF,16V
C129	NCB31CK-333X	CAPACITOR	0.033μF,16V
C131	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C132	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C133	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C134	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C1201	NCB31HK-102X	CAPACITOR	0.001μF,50V
C1202	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1205	NCB31EK-153X	CAPACITOR	0.015μF,25V
C1206	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1601	NCB31EK-103X	CAPACITOR	0.01μF,25V
C1602	NCB21CK-224X	CAPACITOR	0.22μF,16V
C1603	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1604	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1605	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1606	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1607	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1608	NCB31CK-683X	CAPACITOR	0.068μF,16V
C1609	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1610	NCB31CK-104X	CAPACITOR	0.1μF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C1611	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1612	NDC31HJ-331X	CAPACITOR	330pF,50V
C1613	NCB21CK-334X	CAPACITOR	0.33μF,16V
C1614	NBE41AM-226X	T CAPACITOR	22μF,10V
C1615	NCB31HK-681X	CAPACITOR	680pF,50V
C1616	NCB21CK-474X	CAPACITOR	0.47μF,16V
C1617	NCB31HK-152X	CAPACITOR	0.0015μF,50V
C1618	NBE21AM-106X	T CAPACITOR	10μF,10V
C1619	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1620	NCB31HK-472X	CAPACITOR	0.0047μF,50V
C1621	NBP41CM-106X	T CAPACITOR	10μF,16V
C2001	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2002	NFV41HJ-183X	MPPS CAPACITOR	0.018μF,50V
C2003	NDC31HJ-331X	CAPACITOR	330pF,50V
C2004	NBE20JM-226X	T CAPACITOR	22μF,6.3V
C2005	NCB21CK-105X	CAPACITOR	1μF,16V
C2021	NCB31EK-103X	CAPACITOR	0.01μF,25V
C2022	NBE20JM-156X	T CAPACITOR	15μF,6.3V
C2023	NBP21CM-105X	T CAPACITOR	1μF,16V
C2024	NCB31HK-102X	CAPACITOR	0.001μF,50V
C2025	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2026	NCB31HK-222X	CAPACITOR	0.0022μF,50V
C2027	NCB30JK-474X	CAPACITOR	0.47μF,6.3V
C2028	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2029	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2031	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2032	NCB31HK-472X	CAPACITOR	0.0047μF,50V
C2033	NBE20JM-475X	T CAPACITOR	4.7μF,6.3V
C2034	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2035	NBE20JM-226X	T CAPACITOR	22μF,6.3V
C2036	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2037	NBE20JM-226X	T CAPACITOR	22μF,6.3V
C2038	NCB30JK-474X	CAPACITOR	0.47μF,6.3V
C2051	NCB31EK-103X	CAPACITOR	0.01μF,25V
C2071	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2072	NCB31HK-222X	CAPACITOR	0.0022μF,50V
C2401	NEA70GM-476X	E CAPACITOR	47μF,4.0V
C2402	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2403	NCB31EK-103X	CAPACITOR	0.01μF,25V
C2404	NCF31CZ-224X	CAPACITOR	0.22μF,16V
C2405	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2406	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3002	NCB21CK-105X	CAPACITOR	1μF,16V
C3003	NCB21CK-105X	CAPACITOR	1μF,16V
C3004	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3005	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3006	NDC31HG-100X	CAPACITOR	10pF,50V
C3007	NDC31HG-100X	CAPACITOR	10pF,50V
C3009	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3011	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3012	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3013	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3014	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3015	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3017	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C3019	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3020	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3027	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3028	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3033	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1μF,16V
C3037	NDC31HJ-100X	CAPACITOR	10pF,50V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3506	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3507	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3508	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3509	NDC31HJ-221X	CAPACITOR	220pF,50V
C3510	NCB31CK-104X	CAPACITOR	0.1μF,16V
C3512	NCB10JK-106X	CAPACITOR	10μF,6.3V
C3513	NCB31EK-223X	CAPACITOR	0.022μF,25V
C3514	NCB21CK-105X	CAPACITOR	1μF,16V
C3515	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3516	NDC31HJ-100X	CAPACITOR	10pF,50V
C3902	NCB31EK-103X	CAPACITOR	0.01μF,25V
C3903	NDC31HJ-3R0X	CAPACITOR	3pF,50V
C4006	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4008	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4009	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4010	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4012	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4014	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4017	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4019	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4022	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4024	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4028	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4029	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4030	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4036	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4040	NCB21CK-105X	CAPACITOR	1μF,16V
C4044	NCB21CK-105X	CAPACITOR	1μF,16V
C4048	NCB10JK-106X	CAPACITOR	10μF,6.3V
C4049	NDC31HJ-100X	CAPACITOR	10pF,50V
C4051	NDC31HJ-221X	CAPACITOR	220pF,50V
C4201	NEA71HM-225X	E CAPACITOR	2.2μF,50V
C4202	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4203	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4205	NCB31EK-103X	CAPACITOR	0.01μF,25V
C4206	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4207	NCB31EK-103X	CAPACITOR	0.01μF,25V
C4208	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4209	NCF21CZ-105X	CAPACITOR	1μF,16V
C4210	NCF21CZ-105X	CAPACITOR	1μF,16V
C4251	NEA71HM-335X	E CAPACITOR	3.3μF,50V
C4252	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4253	NCB31EK-153X	CAPACITOR	0.015μF,25V
C4254	NCB31EK-153X	CAPACITOR	0.015μF,25V
C4256	NEA71CM-106X	E CAPACITOR	10μF,16V
C4503	NEA70JM-107X	E CAPACITOR	100μF,6.3V
C4504	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4505	NDC31HJ-330X	CAPACITOR	33pF,50V
C4506	NCB31HK-102X	CAPACITOR	0.001μF,50V
C4507	NCB31HK-102X	CAPACITOR	0.001μF,50V
C4508	NCB31HK-102X	CAPACITOR	0.001μF,50V
C4509	NCB31HK-102X	CAPACITOR	0.001μF,50V
C4510	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4511	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4701	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4702	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C4703	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4704	NCB21CK-105X	CAPACITOR	1μF,16V
C4705	NDC31HJ-820X	CAPACITOR	82pF,50V
C4706	NDC31HJ-150X	CAPACITOR	15pF,50V
C4707	NCB21CK-105X	CAPACITOR	1μF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4708	NDC31HJ-820X	CAPACITOR,C,D,E,F	82pF,50V
C4709	NDC31HJ-150X	CAPACITOR,C,D,E,F	15pF,50V
C4710	NCB31EK-103X	CAPACITOR,C,D,E,F	0.01µF,25V
C4711	NCB21CK-105X	CAPACITOR,C,D,E,F	1µF,16V
C4712	NCB31EK-103X	CAPACITOR,C	0.01µF,25V
C4713	NCB21CK-105X	CAPACITOR,C	1µF,16V
C4714	NCB31EK-103X	CAPACITOR,C	0.01µF,25V
C4715	NCB21CK-105X	CAPACITOR,C,D,E,F	1µF,16V
C4717	NCB31EK-103X	CAPACITOR,C	0.01µF,25V
C4718	NDC31HJ-240X	CAPACITOR,C	24pF,50V
C4719	NCB31EK-103X	CAPACITOR,C,D,E,F	0.01µF,25V
C5203	NCB10JK-106X	CAPACITOR	10µF,6.3V
C5207	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5208	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5209	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5210	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5211	NCB21CK-105X	CAPACITOR	1µF,16V
C5212	NCB21CK-105X	CAPACITOR	1µF,16V
C5213	NCB31HK-332X	CAPACITOR	0.0033µF,50V
C5214	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5218	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5219	NBP21CM-685X	T CAPACITOR	6.8µF,16V
C5221	NCB11EK-105X	CAPACITOR	1µF,25V
C5222	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5223	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5225	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5227	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5228	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5229	NCB11EK-105X	CAPACITOR	1µF,25V
C5230	NCB21EK-104X	CAPACITOR	0.1µF,25V
C5232	NDC31HJ-100X	CAPACITOR	10pF,50V
C5233	NDC31HJ-100X	CAPACITOR	10pF,50V
C5234	NDC31HJ-100X	CAPACITOR	10pF,50V
C5235	NDC31HJ-100X	CAPACITOR	10pF,50V
C5236	NDC31HJ-100X	CAPACITOR	10pF,50V
C5237	NDC31HJ-100X	CAPACITOR	10pF,50V
C6002	NEA71CM-106X	E CAPACITOR	10µF,16V
C6004	NCF21CZ-105X	CAPACITOR	1µF,16V
C6005	NCB21CK-105X	CAPACITOR	1µF,16V
C6006	NCF21CZ-105X	CAPACITOR	1µF,16V
C6007	NCB21CK-105X	CAPACITOR	1µF,16V
C6009	NDC31HJ-820X	CAPACITOR	82pF,50V
C6010	NCB21CK-105X	CAPACITOR	1µF,16V
C6011	NCB21CK-104X	CAPACITOR	0.1µF,16V
C6012	NCB21CK-224X	CAPACITOR	0.22µF,16V
C6013	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6014	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6015	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6016	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6017	NCF21CZ-105X	CAPACITOR	1µF,16V
C6101	NCB21CK-105X	CAPACITOR	1µF,16V
C6102	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6105	NCB31HK-102X	CAPACITOR	0.001µF,50V
C6106	NCF21CZ-105X	CAPACITOR	1µF,16V
C6107	NCF21CZ-105X	CAPACITOR	1µF,16V
C6108	NCF21CZ-105X	CAPACITOR	1µF,16V
C6110	NCB31HK-152X	CAPACITOR	0.0015µF,50V
C6201	NCB21CK-105X	CAPACITOR	1µF,16V
C6202	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6203	NEA70JM-476X	E CAPACITOR	47µF,6.3V
C6205	NCB31HK-472X	CAPACITOR	0.0047µF,50V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C6210	NCB31EK-103X	CAPACITOR	0.01µF,25V
C6301	NCB11CK-225X	CAPACITOR	2.2µF,16V
C6302	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6303	NEA70JM-226X	E CAPACITOR	22µF,6.3V
C6305	NCB31HK-561X	CAPACITOR	560pF,50V
C6306	NCB21CK-105X	CAPACITOR	1µF,16V
C6307	NEA71CM-106X	E CAPACITOR	10µF,16V
C6308	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C6310	NCB31HK-102X	CAPACITOR	0.001µF,50V
C6401	NCB21CK-105X	CAPACITOR	1µF,16V
C6402	NCF21CZ-105X	CAPACITOR	1µF,16V
C6406	NCB31CK-683X	CAPACITOR	0.068µF,16V
C6410	NCB21CK-474X	CAPACITOR	0.47µF,16V
C6501	NCB21CK-105X	CAPACITOR	1µF,16V
C6502	NCF21CZ-105X	CAPACITOR	1µF,16V
C6506	NCB21CK-224X	CAPACITOR	0.22µF,16V
C6510	NCB31CK-104X	CAPACITOR	0.1µF,16V
C6601	NCB11CK-225X	CAPACITOR	2.2µF,16V
C6602	NCF21CZ-105X	CAPACITOR	1µF,16V
C6603	NCB11CK-475X	CAPACITOR	4.7µF,16V
C6605	NDC31HJ-331X	CAPACITOR	330pF,50V
C6606	NCF21CZ-105X	CAPACITOR	1µF,16V
C6607	NCB11EK-105X	CAPACITOR	1µF,25V
C6610	NCB31EK-103X	CAPACITOR	0.01µF,25V
C6616	NCB21CK-105X	CAPACITOR	1µF,16V
C6622	NCB21CK-105X	CAPACITOR	1µF,16V
C6700	NCB31HK-272X	CAPACITOR	0.0027µF,50V
C6701	NCF21CZ-105X	CAPACITOR	1µF,16V
C6702	NCB41CK-106X	CAPACITOR	10µF,16V
C6711	NCB21HK-472X	CAPACITOR	0.0047µF,50V
C6802	NCF21CZ-105X	CAPACITOR	1µF,16V
C6805	NCB31HK-102X	CAPACITOR	0.001µF,50V
C6810	NCB31EK-103X	CAPACITOR	0.01µF,25V
C6812	NCF21CZ-105X	CAPACITOR	1µF,16V
C6820	NCB31HK-102X	CAPACITOR	0.001µF,50V
C7001	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7002	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C7019	NDC31HJ-121X	CAPACITOR	120pF,50V
C7020	NDC31HJ-151X	CAPACITOR	150pF,50V
C7021	NBP41EM-475X	T CAPACITOR	4.7µF,25V
C7022	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7023	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7024	NBP41EM-475X	T CAPACITOR	4.7µF,25V
C7025	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7026	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C7028	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7029	NCB31CK-104X	CAPACITOR,A,B,C	0.1µF,16V
C7030	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7031	NDC31HJ-220X	CAPACITOR	22pF,50V
C7032	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7033	NCB21CK-334X	CAPACITOR	0.33µF,16V
C7034	NDC31HJ-331X	CAPACITOR	330pF,50V
C7035	NDC31HJ-330X	CAPACITOR	33pF,50V
C7036	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7037	NDC31HJ-330X	CAPACITOR	33pF,50V
C7038	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7039	NBP41CM-106X	T CAPACITOR	10µF,16V
C7042	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7045	NDC31HJ-100X	CAPACITOR	10pF,50V
C7046	NDC31HJ-100X	CAPACITOR	10pF,50V
C7047	NDC31HJ-100X	CAPACITOR	10pF,50V

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		C7048	NBE20JM-106X	T CAPACITOR	10µF,6.3V
		C7051	NCB31EK-103X	CAPACITOR	0.01µF,25V
		C7052	NBE20JM-106X	T CAPACITOR	10µF,6.3V
		C7053	NCB31EK-103X	CAPACITOR	0.01µF,25V
		C7054	NBP41EM-475X	T CAPACITOR	4.7µF,25V
		C7057	NCB31EK-682X	CAPACITOR,A,B,C	0.0068µF,25V
		C7059	NBP41EM-475X	T CAPACITOR	4.7µF,25V
		C7060	NCB11CK-225X	CAPACITOR	2.2µF,16V
		C7064	NCB11EK-105X	CAPACITOR	1µF,25V
		C7065	NCB11EK-105X	CAPACITOR	1µF,25V
		C7066	NCB11EK-105X	CAPACITOR	1µF,25V
		C7067	NCB31CK-104X	CAPACITOR	0.1µF,16V
		C7069	NCB31EK-103X	CAPACITOR	0.01µF,25V
		L101	NQL034K-330X	COIL	33µH
		L501	NQR0129-002X	FERRITE BEAD	
		L1601	NQL38DK-100X	COIL	10µH
		L1602	NQL144K-100X	COIL	10µH
		L2001	NQL144K-101X	COIL	100µH
		L2003	NQL034K-470X	COIL	47µH
		L2021	NQL144K-470X	COIL	47µH
		L2051	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2052	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2071	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2072	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2401	NQL144K-470X	COIL	47µH
		L3002	NQR0006-001X	FERRITE BEAD	
		L3003	NQR0129-002X	FERRITE BEAD	
		L3502	NQL38DK-220X	COIL	22µH
		L3503	NQL085J-5R6X	COIL	5.6µH
		L4005	NQL38DK-220X	COIL	22µH
		L4201	NQR0006-001X	FERRITE BEAD	
		L4501	NQR0006-001X	FERRITE BEAD	
		L4502	NQL034K-220X	COIL	22µH
		L4701	NQL38DK-220X	COIL	22µH
		L4702	NQL085J-560X	COIL,C	56µH
		L5201	NQL38DK-470X	COIL	47µH
		L5202	NQL38DK-220X	COIL	22µH
		L5203	NQL38DK-220X	COIL	22µH
		L6001	NQL52EM-100X	COIL	10µH
		L6002	NQL52EM-100X	COIL	10µH
		L6101	NQL52EM-390X	COIL	39µH
		L6106	NQL144K-101X	COIL	100µH
		L6107	NQL144K-101X	COIL	100µH
		L6201	NQL52EM-470X	COIL	47µH
		L6301	NQL52EM-390X	COIL	39µH
		L6306	NQL52EM-470X	COIL	47µH
		L6401	NQL52EM-470X	COIL	47µH
		L6501	NQL52EM-470X	COIL	47µH
		L6601	NQL52EM-221X	COIL	220µH
		L6602	NQL144K-221X	COIL	220µH
		L6606	NQL144K-220X	COIL	22µH
		L6701	NQL52EM-100X	COIL	10µH
		L7001	NQL38DK-220X	COIL	22µH
		L7005	NQL38DK-220X	COIL	22µH
		L7006	NQL38DK-220X	COIL	22µH
		L7007	NQL38DK-220X	COIL	22µH
		L7008	NQL38DK-220X	COIL	22µH
		L7009	NQL38DK-220X	COIL	22µH
		L7010	NQL085J-4R7X	COIL	4.7µH
		L7012	NQL144K-100X	COIL	10µH
		FL4701	NQR0005-001X	LC TRAP,C	
		FL4702	NQR0268-001X	BAND PASS FILTER,C	
		X101	NAX0251-001X	CRYSTAL RESONATOR	
		X102	NAX0325-001X	CRYSTAL RESONATOR	
		X3001	QAX0596-001	CRYSTAL RESONATOR	
		WR1	WJV0039-001A	E-PRIMARY WIRE, JUMP WIRE	
		WR2	WJM0180-001A	E-SI C WIRE C-F,JP4001/JP4002,F	
		WR3	YU40017-013-1	THIN WIRE,JP2005-SD1,F	
	⚠	J101	QAB0022-001	LI BATTERY	
		J504	LY31356-002A	JACK UNIT	
		J505	QND0068-001	S JACK,C,D,E,F	
		CN1	QGF0507F3-10X	FFC/FPC CONNECTOR	
		CN2	QGF0507F3-14X	FFC/FPC CONNECTOR	
		CN3	QGF0505F2-18X	FPC CONNECTOR	
		CN4	QGA1201F2-06X	CONNECTOR	
		CN5	QGF0507F1-11X	FPC CONNECTOR	
		CN7	QGF0507F3-11X	FFC/FPC CONNECTOR	
		CN8	QGA1201C2-02X	CONNECTOR	
		CN12	QGA1201F2-05X	CONNECTOR	
		CN13	QGF0507F3-14X	FFC/FPC CONNECTOR	
		CN15	QGF0507F1-22X	FPC CONNECTOR	
		CN16	QGF0305F1-33X	FPC CONNECTOR	
		CN18	QGF0507F3-12X	FFC/FPC CONNECTOR	
		CN19	QGF0301F1-39X	FPC CONNECTOR,F	
		CN22	QGF0507F3-14X	FFC/FPC CONNECTOR	
		CN25	QGB0506L1-30X	CONNECTOR	
		CN27	QGA1201C2-02X	CONNECTOR	
		CN28	QGA1002F1-13X	CONNECTOR	
	⚠	F6001	NMFZ007-2R0X-K	FUSE	T2.0A
	⚠	F6002	NMFZ010-R50X-A	FUSE	T0.5A
		SD1	LY42914-001A	SHIELD PLATE	
		SD2	LY42845-001A	SHIELD SHEET,F	
		OT1	LY30016-049A	SPACER-A,FOR WR1	
		OT2	LY30029-0B6A	SPACER(A),FOR LI BATTERY	

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DSC BOARD ASSEMBLY <08> (SXM770A)

PW	YB20898A	DSC BOARD ASSY	
IC8001	JCY0076B	IC	
IC8002	M32000D3FP	IC	
	or M32000D4AFP	IC(MICRO C ROM)	
	or M32000D4BFP	IC(MICRO C ROM)	
IC8003	TC58FVT16FT0/79	IC(MICRO C ROM)	
IC8006	MAX3221CAE	IC	
IC8007	TC7WU04FU	IC(DIGITAL)	
R8002	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R8003	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R8004	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R8005	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R8006	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R8007	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R8012	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R8014	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8015	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8016	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8017	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8018	NRSA63J-100X	MG RESISTOR	10Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R8019	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8020	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8021	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8022	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8023	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8024	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8025	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8026	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R8027	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R8029	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R8030	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C8001	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8002	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C8003	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8005	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8006	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8007	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8008	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8009	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8010	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8011	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8012	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8013	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8014	NBE50JM-107X	T CAPACITOR	100µF,6.3V
C8015	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8016	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8017	NCB31HK-102X	CAPACITOR	0.001µF,50V
C8018	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8019	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8020	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8021	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8022	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8023	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8024	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8025	NBE50JM-107X	T CAPACITOR	100µF,6.3V
C8026	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8032	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8033	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8034	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8035	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8036	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8037	NCB31CK-104X	CAPACITOR	0.1µF,16V
C8038	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C8040	NDC31HJ-270X	CAPACITOR	27pF,50V
C8041	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C8042	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C8043	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C8044	NBE20JM-106X	T CAPACITOR	10µF,6.3V
L8001	NQL024J-100X	COIL	10µH
L8002	NQL034K-150X	COIL	15µH
L8003	NQL024J-100X	COIL	10µH
L8004	NQL024J-100X	COIL	10µH
L8005	NQR0129-002X	FERRITE BEAD	
X8001	NAX0354-001X	RESONATOR	
WR1	WJM0179-001A	E-SI C WIRE C-F,JP8001/JP8002	
J8001	QNS0181-001	2.5 JACK	
CN8001	QGF0301F1-39X	FPC CONNECTOR	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

JVC

GR-FXM37EG, SXM607EG/EK

No. 86589

VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

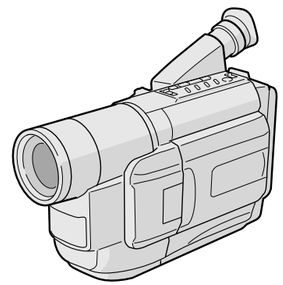
Printed in Japan

JVC

SERVICE MANUAL

COMPACT VHS CAMCORDER

GR-FXM37EG, SXM607EG/EK



S-VHS C 625 VHS PAL

Super VHS

Super VHS ET

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-SXM607EG/FXM37EG)*

Camcorder

General

Format : S-VHS (GR-SXM607)
VHS PAL standard

Power source : DC 11 V ⎓
(Using AC Adapter)
DC 6 V ⎓
(Using battery pack)

Power consumption
LCD monitor* off, viewfinder on : 4.0 W
LCD monitor* on, viewfinder off : 4.5 W
Video light** : 3.0 W

* Models equipped with LCD monitor only.
** GR-SXM607 only.

Signal system : PAL-type

Video recording system
Luminance : FM recording
Colour : Converted sub-carrier direct recording
Conforms to VHS standard

Cassette : S-VHS / VHS cassette

Tape speed
SP : 23.39 mm/sec.
LP : 11.70 mm/sec.

Recording time (max.)
SP : 60 minutes
LP : 120 minutes
(with EC-60 cassette)

Operating temperature : 0°C to 40°C
Operating humidity : 35% to 80%
Storage temperature : –20°C to 50°C

Weight : Approx. 910 g (GR-SXM607)
Approx. 900 g (GR-FXM37)

Dimensions (W x H x D) : 200 mm x 112 mm x 118 mm

* Models equipped with LCD monitor only.

Pickup : 1/4" format CCD

Lens : F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm

Viewfinder : Electronic viewfinder with 0.5" black/white CRT

White balance adjustment : Auto/Manual adjustment

LCD monitor (models equipped with LCD monitor only) : 3" diagonally measured, LCD panel/TFT active matrix system (GR-SXM607)
: 2.5" diagonally measured, LCD panel/TFT active matrix system (GR-FXM37)

Speaker (models equipped with LCD monitor only) : Monaural

Connectors

JLIP/EDIT : ø3.5 mm, 4-pole, mini-head jack (compatible with RC-5325 plug)

Video : 1 V (p-p), 75 Ω unbalanced, analogue output
(via Video output connector)

Audio : 300 mV (rms), 1 kΩ analogue output
(via Audio output connector)

S-Video : **Y** : 1 V (p-p), 75 Ω, analogue output
C : 0.29 V (p-p), 75 Ω, analogue output

AC Adapter AP-V10EG

Power requirement : AC 110 V to 240 V∿, 50 Hz/60 Hz

Power consumption : 23 W

Output : DC 11 V ⎓, 1 A

Dimensions (W x H x D) : 59 mm x 31 mm x 84 mm

Weight : Approx. 140 g

Optional Accessories

- **Battery Packs BN-V12U, BN-V20U, BN-V400U**
- **Compact S-VHS (S-VHS C) Cassettes SE-C45/30**
- **Compact VHS (VHS C) Cassettes EC-60/45/30**
- **Remote Control Unit RM-V700U**
- **Active Carrying Bag CB-V7U**
- **Cassette Adapter C-P7U**

Some accessories are not available in some areas. Please consult your nearest JVC dealer for details on accessories and their availability.

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

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No. 86589
November 2000

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The following table lists the differing points between Models GR-FXM37EG and GR-SXM607EG/EK in this series.

	GR-FXM37EG	GR-SXM607EG	GR-SXM607EK
VIDEO LIGHT	NOT USED	USED	
IR RECEIVER	NOT USED	USED	
LCD MONITOR	2.5”	3”	
BODY COLOR	Mold Black	Silver	
IMAGE SENSOR	1/4” 320K	1/4” 470K	
HORIZONTAL RESOLUTION	300LINES	400LINES	
AC CORD	CEE TYPE	CEE TYPE	UK TYPE
BATTERY PACK	BN-BV11U	BN-20BU	
RCU UNIT	NOT USED	PROVIDE	
SNAP SHOT	NOT USED	USED (FULL ONLY)	
NIGHT SCOPE	NOT USED	USED	
5 SEC REC SW	USED	NOT USED	
S-VHS ON/OFF	NOT USED	USED	
VIDEO OUT SELECT PAL/SECAM	NOT USED	USED	NOT USED

SECTION 1
DISASSEMBLY

1.1 SERVICE CAUTIONS

1.1.1 Precautions

1. Before disassembling/re-assembling the set as well as soldering parts, make sure to disconnect the power cable.
2. When disconnecting/connecting connectors, pay enough attention to wiring not to damage it.
3. In general, chip parts such as resistor, shorting jumpers (0-ohm resistor), ceramic capacitors, diodes, etc. can not be reused after they were once removed.
4. When installing parts, be careful not to do with other parts as well as not to damage others.
5. When removing ICs, be careful not to damage circuit patterns.
6. Tighten screws properly during the procedures. Unless specified otherwise, tighten screws at torque of 0.196 N·m (2.0 kgf·cm).

1.1.2 How to read the disassembly and assembly

(For Cabinet Parts)

STEP /LOC NO.	PART	Fig. No.	REMOVAL
			*UNLOCK/RELEASE/ UNPLUG/UNCLAMP/ UNSOLDER
①	CASSETTE COVER ASSEMBLY	C1	2(S1)
②	UPPER CASE	C2	2(S2), (L2)
③	LOWER CASE ASSEMBLY(INCL. E. VF. ASSEMBLY)	C3	9(S3), (L3a), (L3b) *CN③a③b CAP (RCA jack)

(1) (2) (3) (4)

(1) Order of steps in Procedure
When reassembling, preform the step(s) in the reverse order. These numbers are also used as the identification (location) No. of parts Figures.

(2) Part to be removed or installed.

(3) Fig. No. showing Procedure or Part Location.

C = Cabinet
CA = Camera
D = Deck

(4) Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped or unsoldered.

P = Spring
W = Washer
S = Screw
* = Unhook, unlock, release, unplug or unsolder.
2(S3) = 2 Screws (S3)
CN = Connector

(5) Adjustment information for installation.

1.1.3 Connection of the wires

1. Pull the connector structure upward to release the clamp when removing or inserting the flat wire cable.

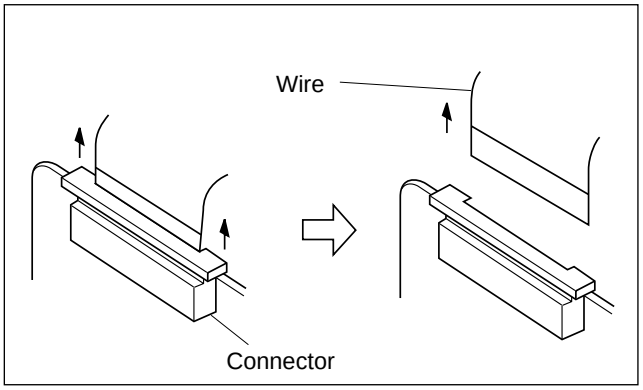
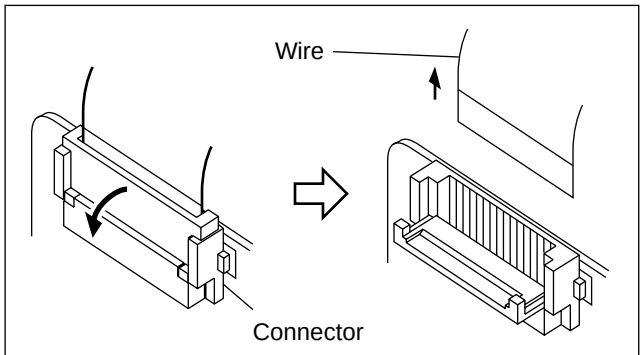


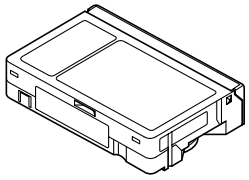
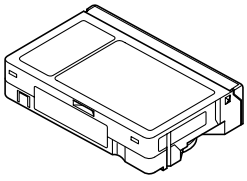
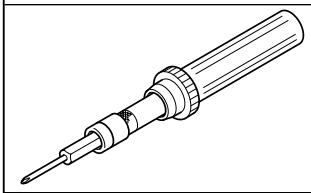
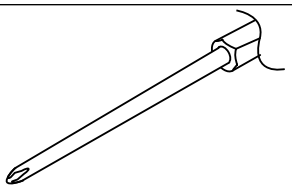
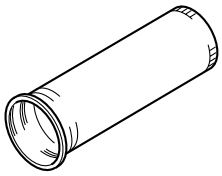
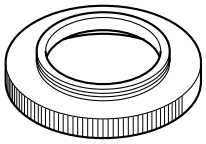
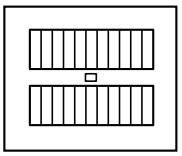
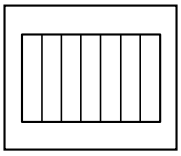
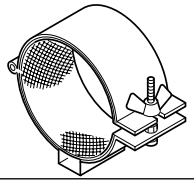
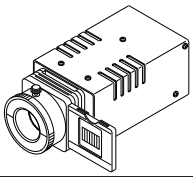
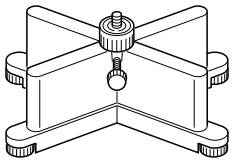
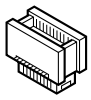
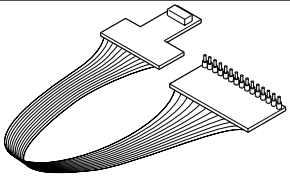
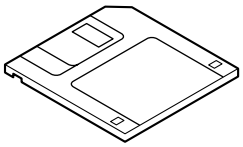
Fig. 1-1-1



NOTE: *After removing the wire, return the stopper to its original position, because it is apt to come off if it is left open.*

Fig. 1-1-2

1.2 TOOLS REQUIRED FOR ADJUSTMENTS

1 Alignment tape (for SP interchangeability) MHP-C	2 Alignment tape (for N. SP PB Y/C level) MHV-2C
	
3 Torque driver YTU94088	4 Bit YTU94088-003
	
5 INF adjustment lens YTU92001B	6 Conn. ring YTU92001-111
	
7 Gray Scale Chart YTU94133A	8 Color Bar Chart YTU94133C
	
9 INF lens holder YTU94087	10 Light box Assembly YTU93096A
	
11 Camera stand YTU93079	12 Extension connector YTU94145B-30
	
13 Jig connector cable YTU93106A	14 Service support system software YTU94057-51
	

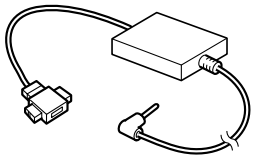
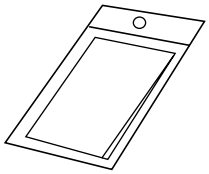
15 PC cable QAM0099-002	16 Cleaning cloth KSMM-01
	

Table 1-2-1

1,2. Alignment tape
To be used for check and adjustment of interchangeability of the mechanism.
(Video: Color bar signal, Audio: Non-signal)

3. Torque driver
Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

4. Bit
This bit is slightly longer than those set in conventional torque drivers.

5. INF adjustment lens
To be used for adjustment of the camera system.

6. Conn. ring
The connector ring to attach the INF. lens to the head of the OP lens.

7. Color bar chart
To be used for adjustment of the camera system.

8. Gray scale chart
To be used for adjustment of the camera system.

9. INF lens holder
To be used together with the camera stand (11) for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.

10. Light box
To be used for adjustment of the camera system.

11. Camera stand
To be used together with the INF adjustment lens holder.

12. Extention connector
To be used to JIG connector cable

13. JIG connector cable
Connected to CN25 of the main board and used for measuring error rates, etc.

14. Service support software
To be used for adjustment with a personal computer.

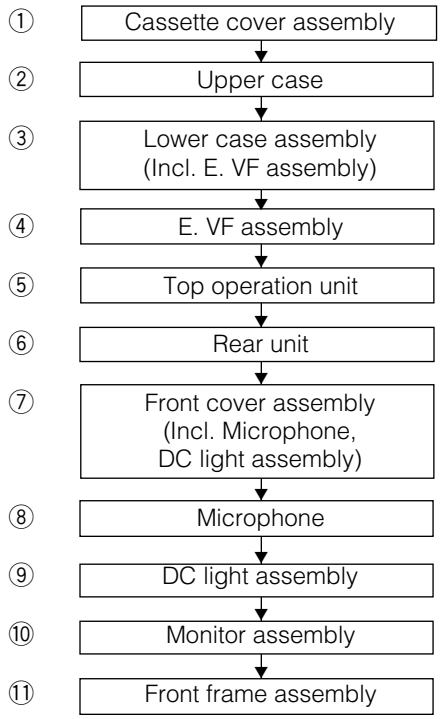
15. PC cable
To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

16. Cleaning cloth
Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order. Bend, route and dress the flat cables as they were originally.


① Cassette cover assembly
② Upper case
③ Lower case assembly (Incl. E. VF assembly)
④ E. VF assembly
⑤ Top operation unit
⑥ Rear unit
⑦ Front cover assembly (Incl. Microphone, DC light assembly)
⑧ Microphone
⑨ DC light assembly
⑩ Monitor assembly
⑪ Front frame assembly

Note: *For screw management, refer to the table appearing in the section "3.4 SERVICE NOTE" (page 3-6).*

1.3.2 Disassembly method

STEP /LOC NO.	PART	Fig. No.	REMOVAL *UNLOCK/RELEASE/ UNPLUG/UNCLAMP/ UNSOLDER
①	CASSETTE COVER ASSEMBLY	C1	2(S1)
②	UPPER CASE	C2	2(S2), (L2)
③	LOWER CASE ASSEMBLY (INCL. E. VF ASSEMBLY)	C3	9(S3), (L3a), (L3b) *CN (3a) (3b) CAP (RCA jack)
④	E. VF ASSEMBLY	C4	3(S4)
⑤	TOP OPERATION UNIT	C5	2(S5), (L5a), (L5b), (L5c) *CN (5a)
⑥	REAR UNIT	C6	3(S6), (L6a), (L6b) *CN (6a)
⑦	FRONT COVER ASSEMBLY (INCL. MIC DC LIGHT ASSEMBLY)	C7	2(S7a), (S7b), (L7a), (L7b) *CN (7a)
⑧	MICROPHONE		(S7a)
⑨	DC LIGHT ASSEMBLY		2(L7c)
	COVER (LIGHT)		2(L7c)
⑩	MONITOR ASSEMBLY	C8	2(S8a), (S8b) *CN (8a)
		C9	2(S9a), (S9b), (S9c), (S9d)
		C10	2(S10a), 2(S10b), 2(S10c), (L10a), (L10b), (L10c)
		C11	(L11a), (L11b), (L11c) *CN (11a), (11b), (11c)
		C12	2(S12a), (S12b), 2(L12a)
⑪	FRONT FRAME ASSEMBLY	C13	2(S13)

List of Abbreviations:
2(S1)=2 screws (S1)
4(L1a)=4 Locking Tabs
CN=Connector

Reference Notes:
<NOTE 1>
Destination of connectors

Note: *Two kinds of double-arrows in connection tables respectively show kinds of connector/wires.*
⟺ : Flat wire
↔ : Wire

Con-nector	No. of Pins	Connector		
(3a)	2	SPEAKER	↔	MAIN CN27
(3b)	5	E. VF (B/W)	↔	MAIN CN12
(5a)	12	TOP OPERATION UNIT	⟺	MAIN CN18
(6a)	13	REAR UNIT	⟺	MAIN CN28
(7a)	2	MIC	↔	MAIN CN8
(8a)	33	MONITOR ASSEMBLY	⟺	MAIN CN16
(11a)	28	MONITOR CN7501	⟺	T. HINGE
(11b)	24	MONITOR CN7502	⟺	LCD MODULE
(11c)	2	MONITOR CN7503	↔	BACK LIGHT

<NOTE 2, 3>
(1) The FPC assembly should be winded around the hinge assembly by two and half turns so that the wire to be connected to the monitor board assembly is positioned inside.
(2) The upper and lower hinge covers should be mounted so carefully the any wire is not caught into either of the covers.

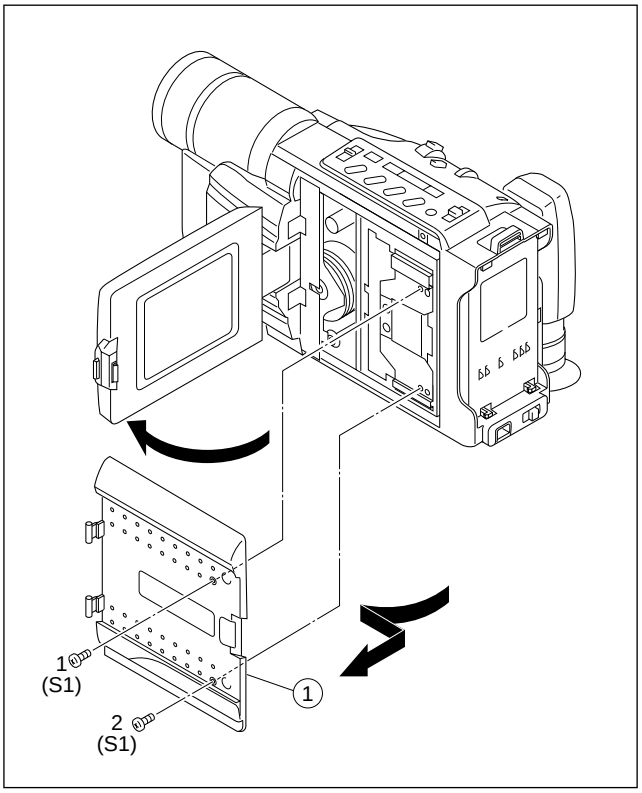


Fig. C1

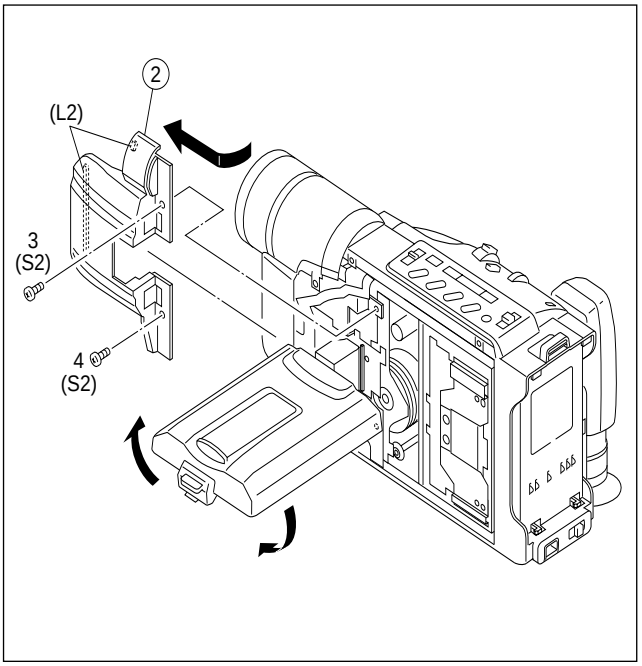


Fig. C2

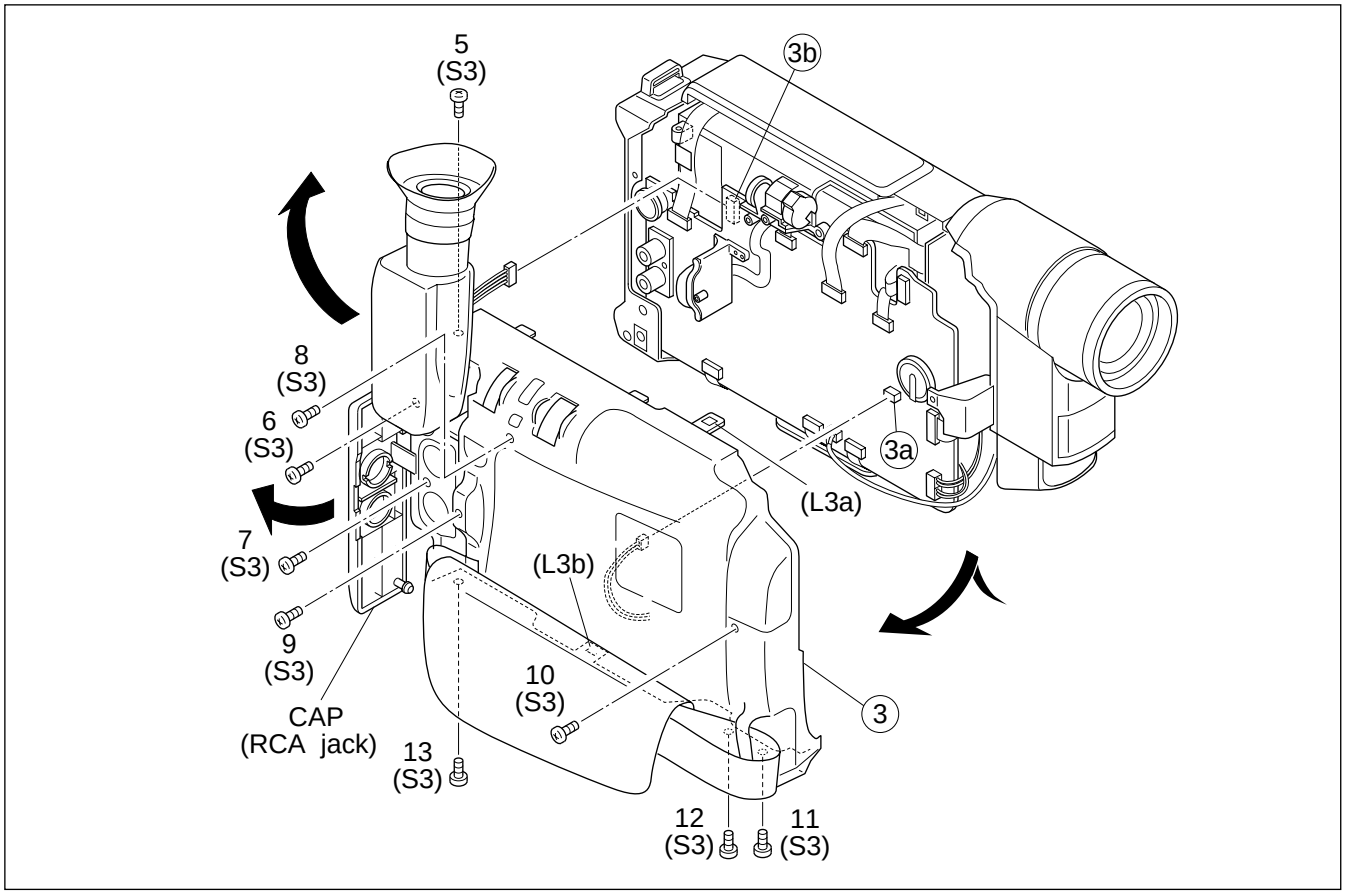


Fig. C3

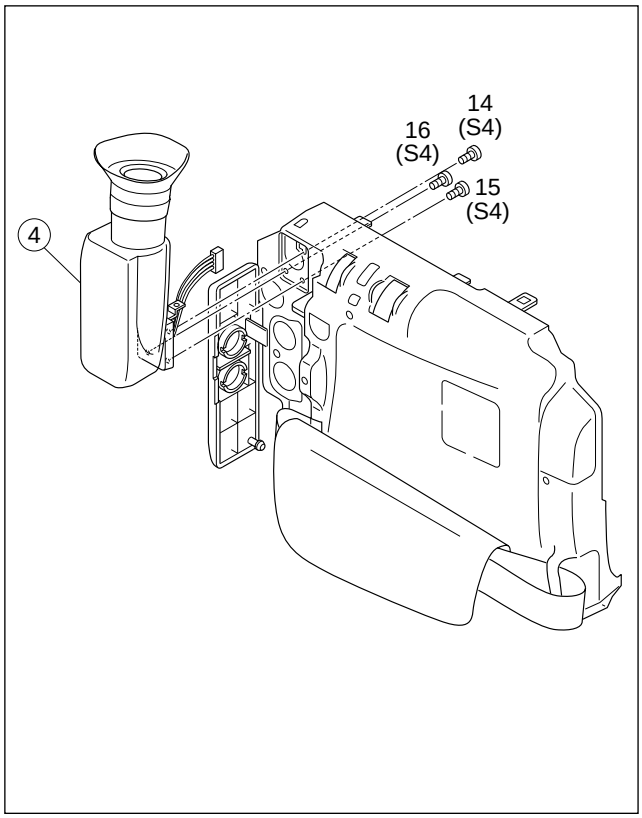


Fig. C4

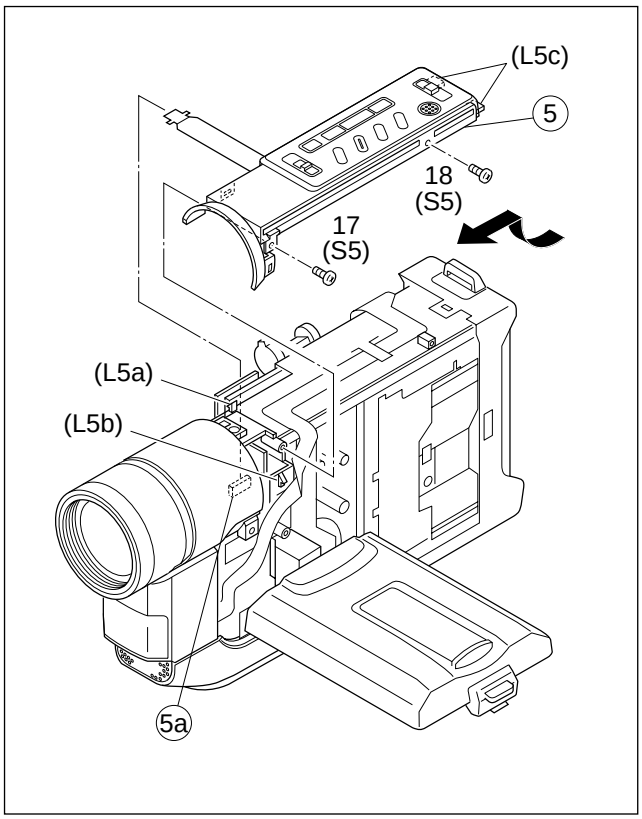


Fig. C5

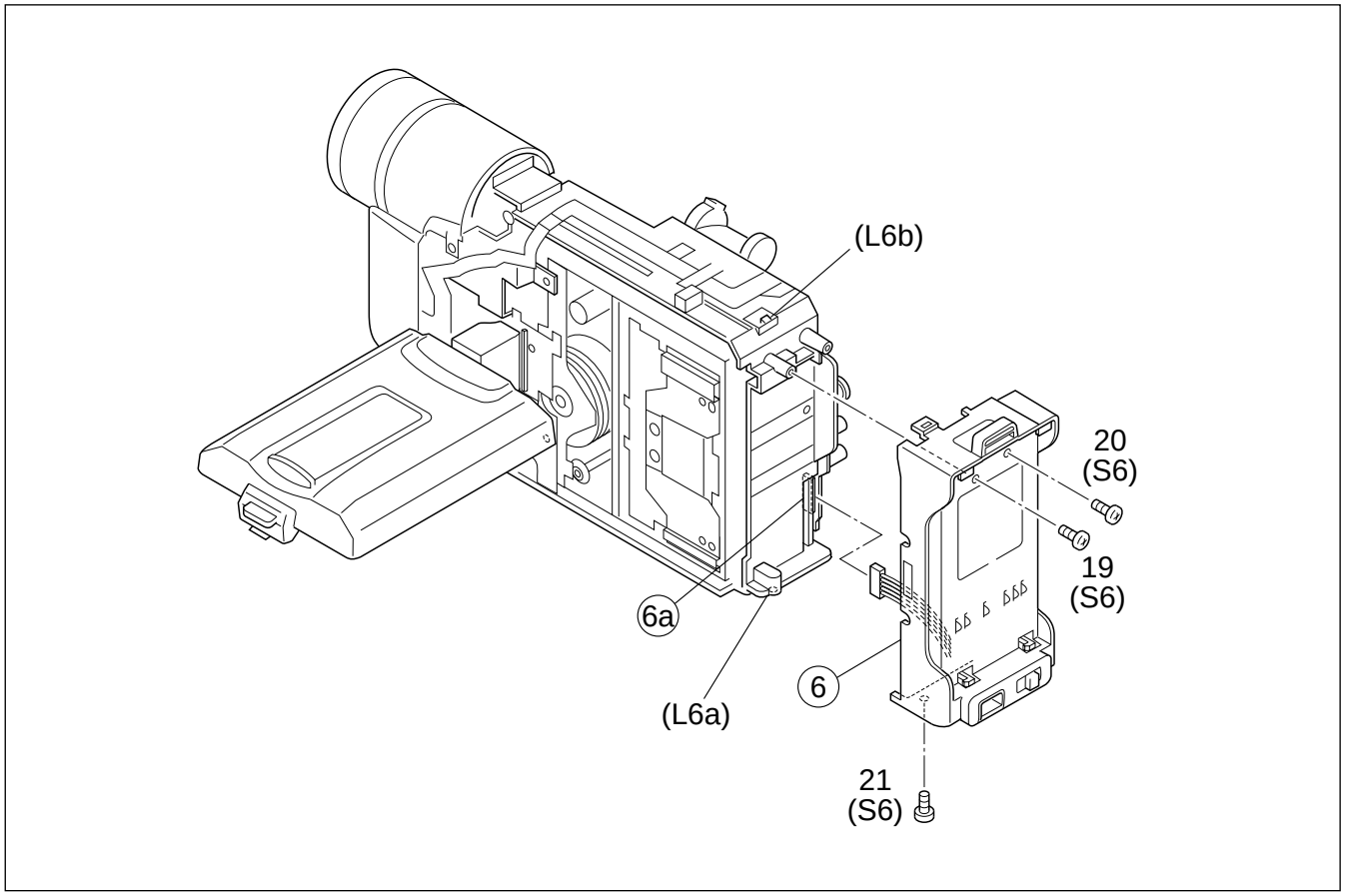

(L6b)
20
(S6)
19
(S6)
6a
6
(L6a)
21
(S6)

Fig. C6

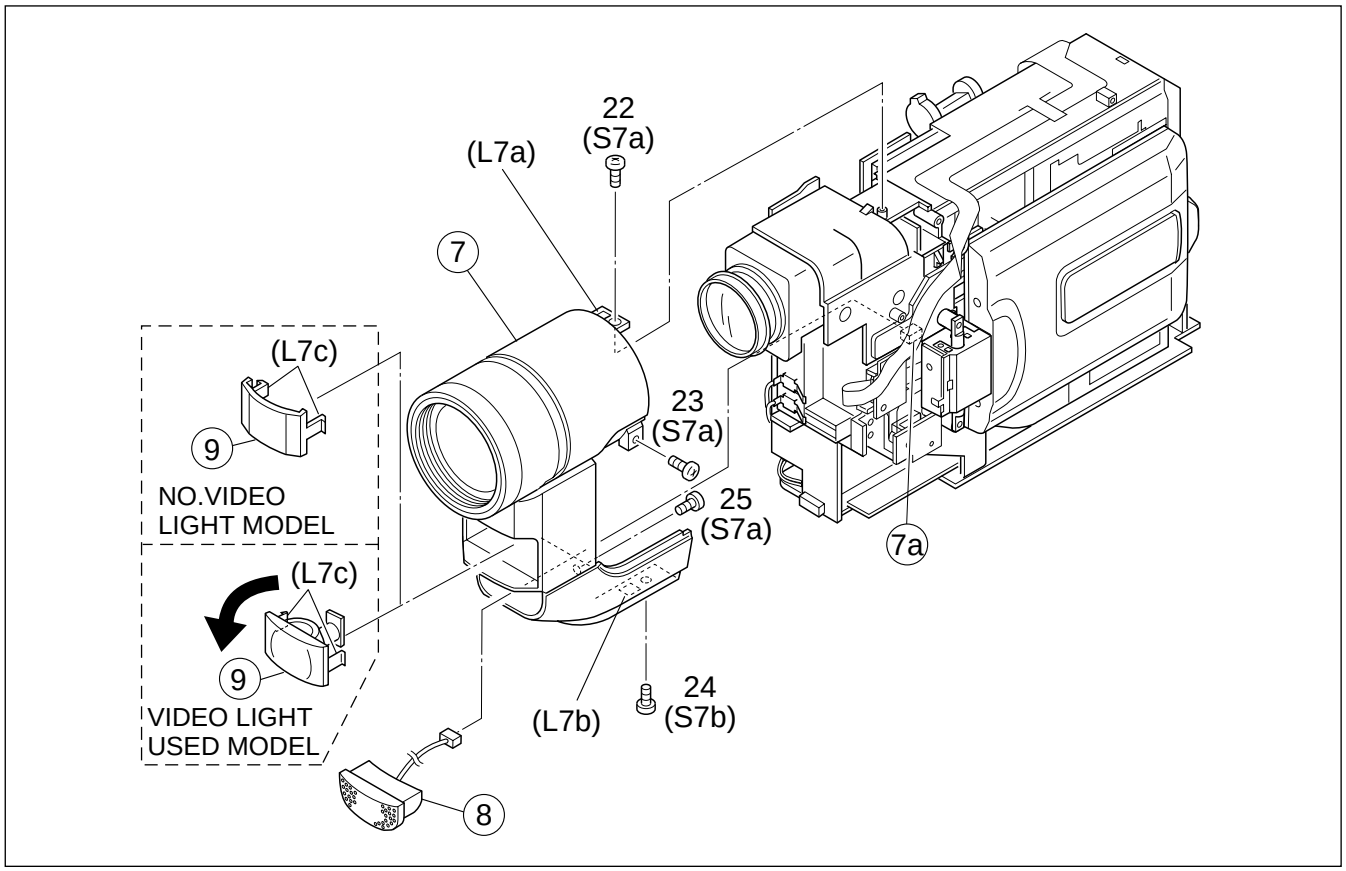

22
(S7a)
(L7a)
7
(L7c)
9
NO.VIDEO
LIGHT MODEL
23
(S7a)
25
(S7a)
7a
(L7c)
9
VIDEO LIGHT
USED MODEL
(L7b)
24
(S7b)
8

Fig. C7

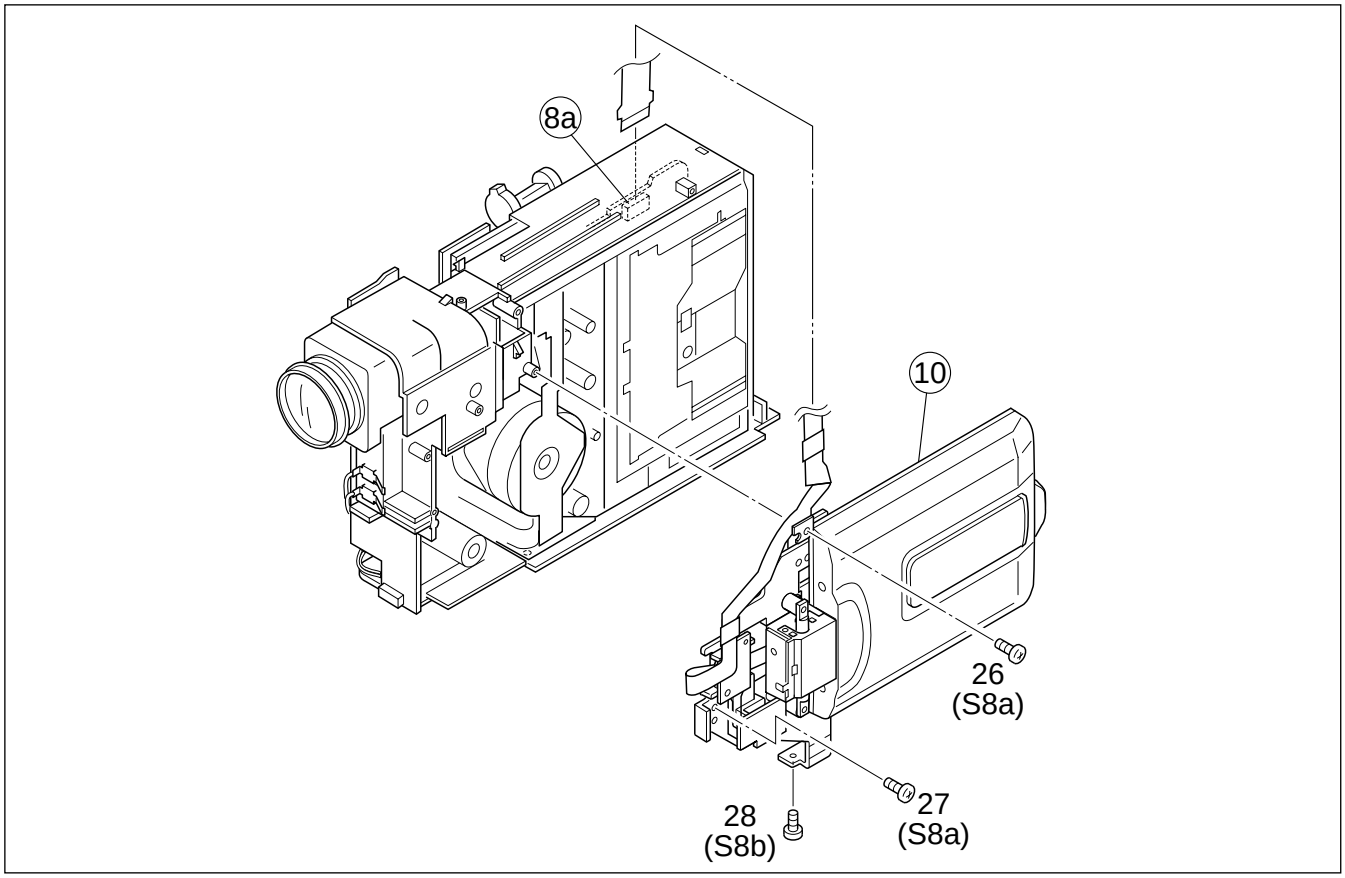

8a
10
26
(S8a)
27
(S8a)
28
(S8b)

Fig. C8

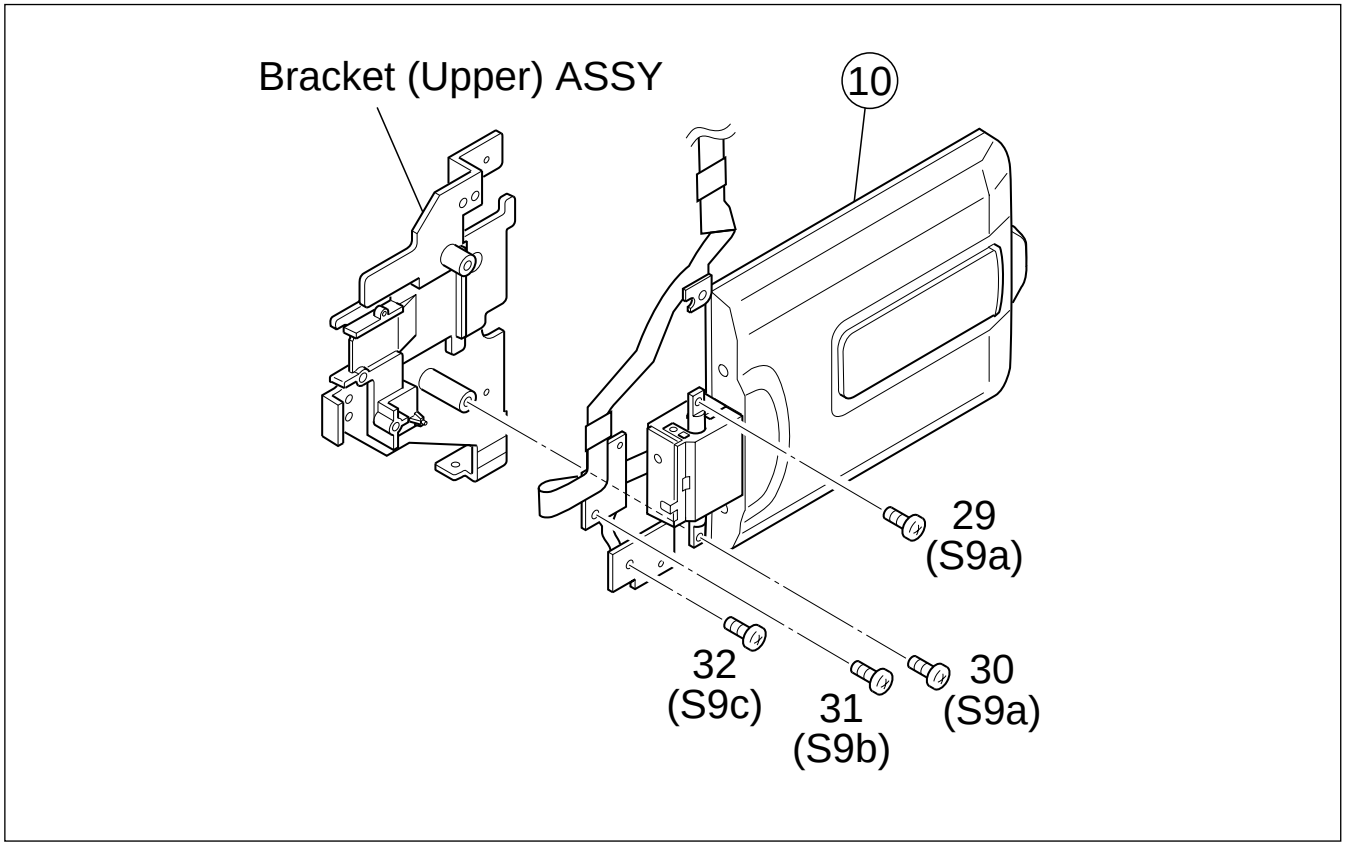

Bracket (Upper) ASSY
10
29
(S9a)
32
(S9c)
31
(S9b)
30
(S9a)

Fig. C9

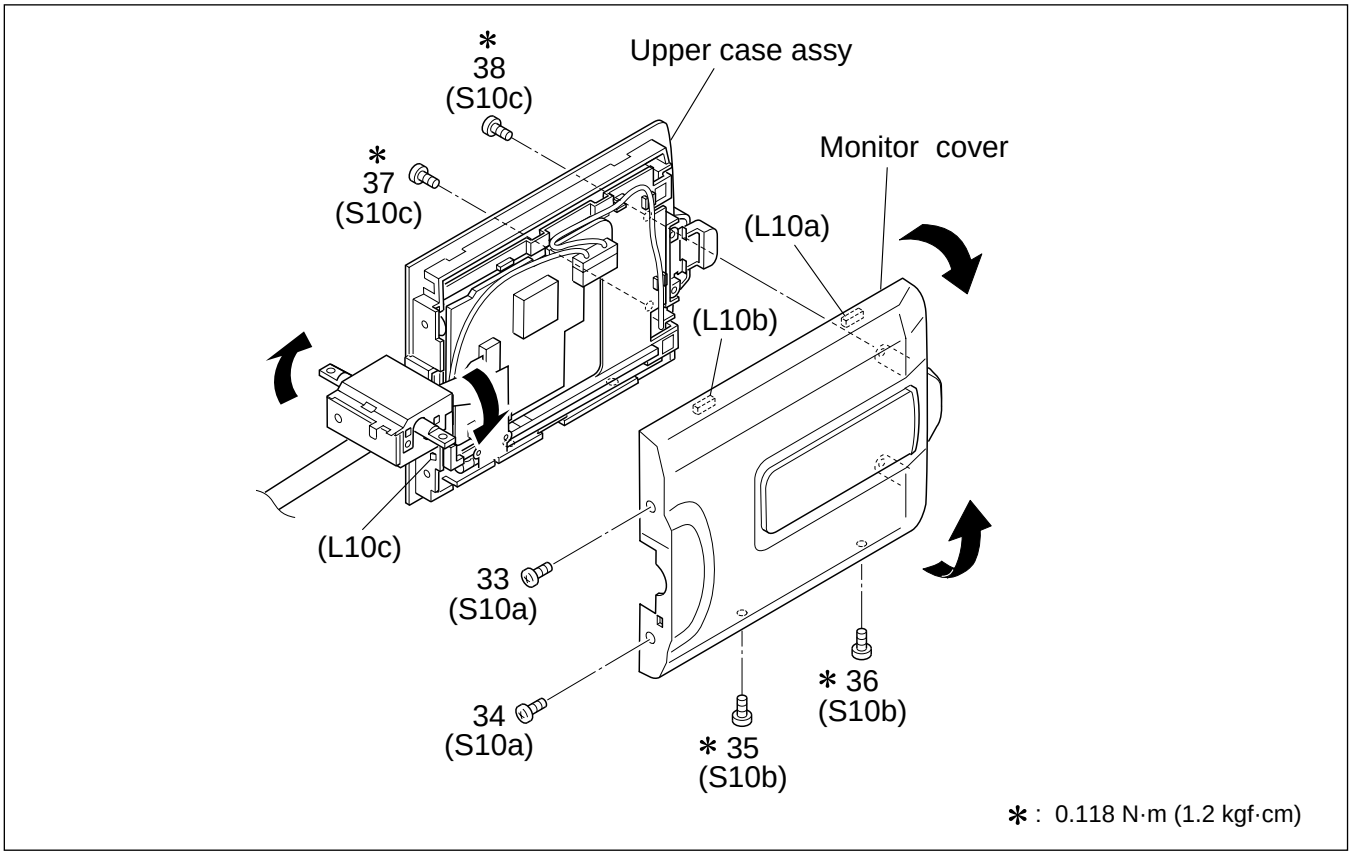


Fig. C10

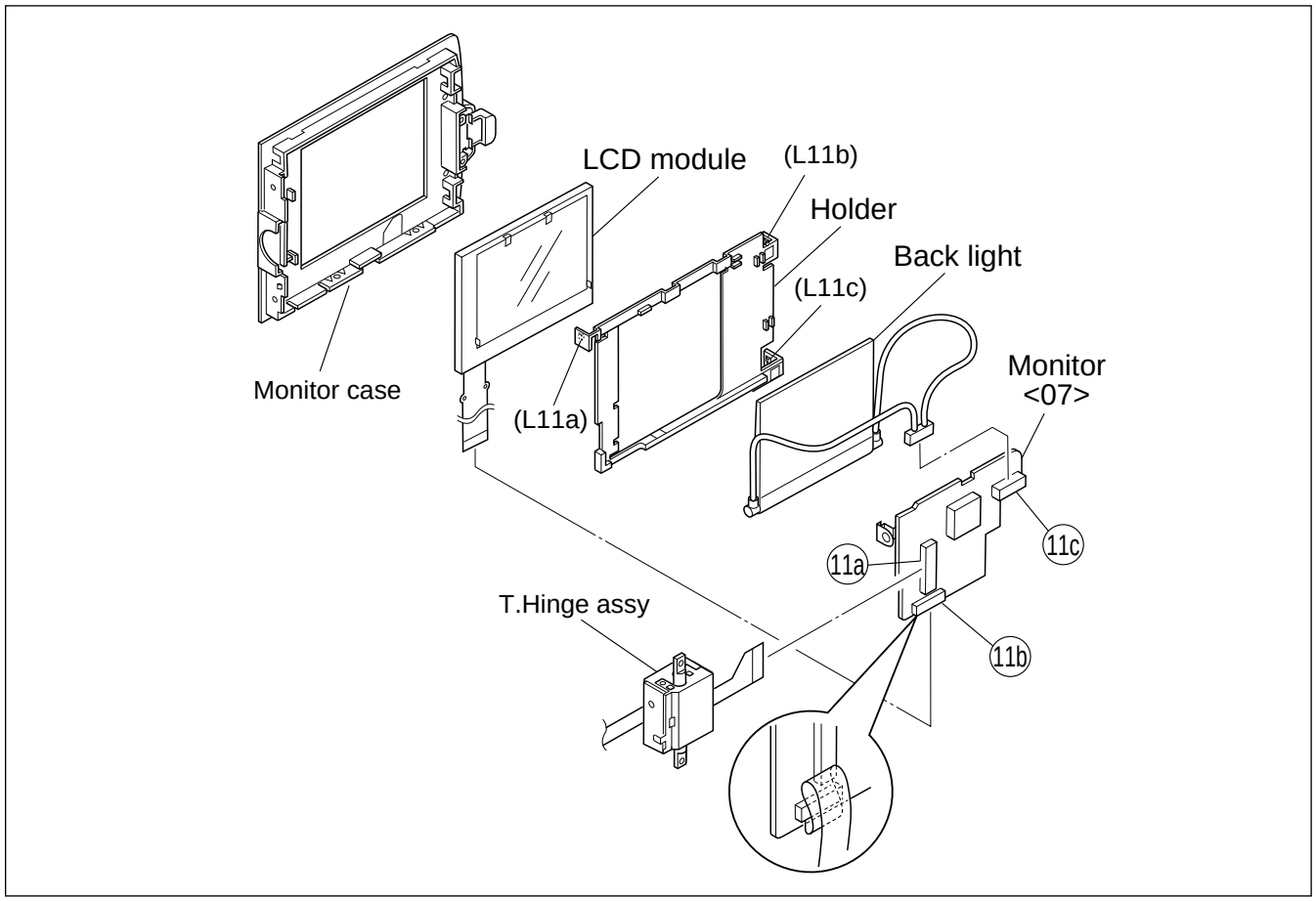


Fig. C11

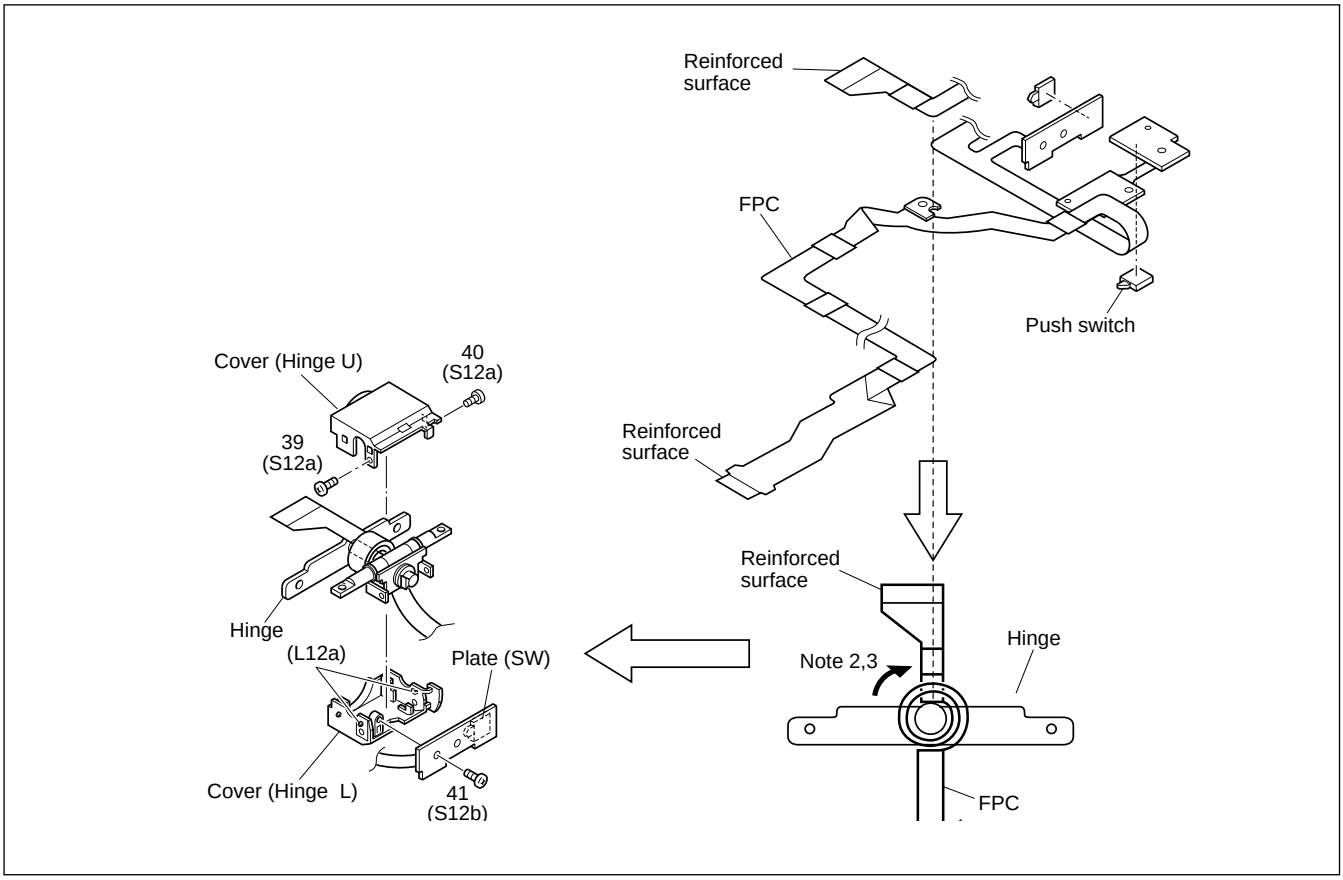


Fig. C12

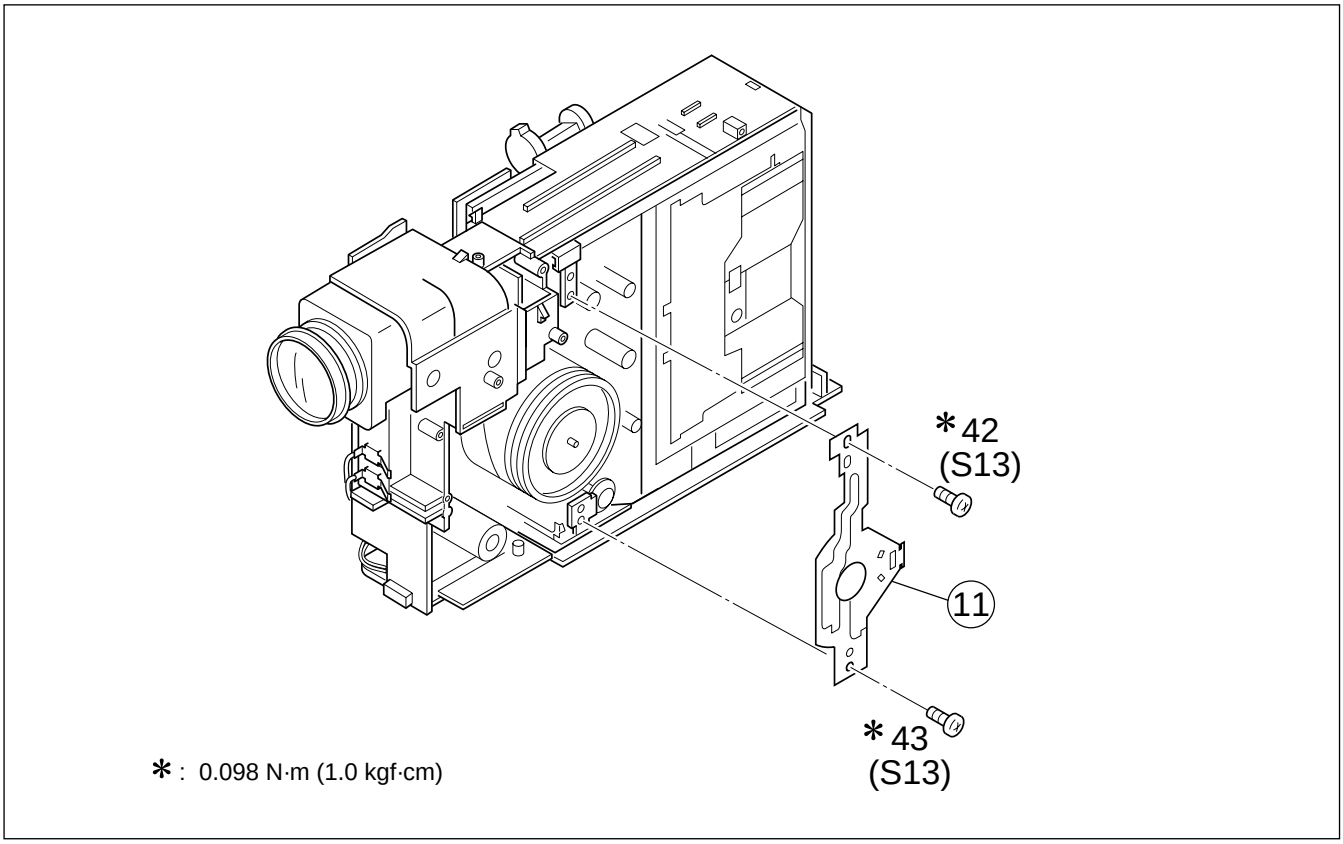


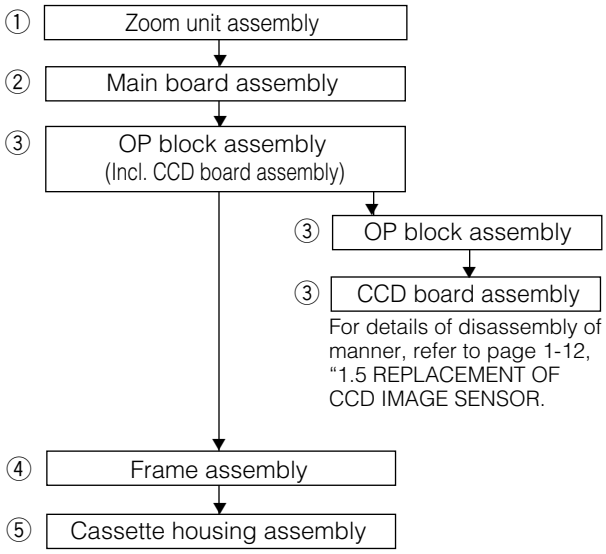
Fig. C13

1.4 DISASSEMBLY/ASSEMBLY OF CAMERA SECTION AND DECK SECTION

1.4.1 Flowchart of disassembly

The following flowchart shows the disassembly of the camera section and deck section. When assembly of the camera section and deck section, follow this flowchart in the reverse order.

<Camera section/Deck section>


① Zoom unit assembly
② Main board assembly
③ OP block assembly
(Incl. CCD board assembly)
③ OP block assembly
③ CCD board assembly
For details of disassembly of manner, refer to page 1-12, "1.5 REPLACEMENT OF CCD IMAGE SENSOR.
④ Frame assembly
⑤ Cassette housing assembly

Reference Notes:
<NOTE 1>
Open two pins of the cennter and connect CN4 as shown in Fig.

<NOTE 2>
Destination of connectors

Note: *Two kinds of double-arrows in connection tables respectively show kinds of connector/wires.*

⟺ : Flat wire
↔ : Wire

Con-nector	No. of Pins	Connector		
⑴a	14	MAIN CN13	⟺	ZOOM UNIT
⑵a	14	MAIN CN2	↔	SENSOR
⑵b	11	MAIN CN5	⟺	VIDEO/FLY. E HEAD
⑵c	10	MAIN CN1	⟺	DRUM MOTOR
⑵d	6	MAIN CN4 (PIN 1,2) MAIN CN4 (PIN 5,6)	↔ ↔	LOADING MOTOR DC LIGHT (OPEN TWO PINS OF THE CENTER AND CONNECT)
⑵e	22	MAIN CN15	⟺	OP BLOCK
⑵f	18	MAIN CN3	⟺	CAPSTAN MOTOR
⑵g	11	MAIN CN7	⟺	A/C HEAD
⑵h	14	MAIN CN22	⟺	CCD

1.4.2 Disassembly method

STEP /LOC NO.	PART	Fig. No.	REMOVAL *UNLOCK/RELEASE/ UNPLUG/UNCLAMP/ UNSOLDER
①	ZOOM UNIT ASSEMBLY	D1	4(S1) *CN ⑴a
②	MAIN BOARD	D2	(S2), (L2a), (L2b) *CN ⑵a , ⑵b , ⑵c , ⑵d , ⑵e ⑵f , ⑵g , ⑵h
③	OP BLOCK ASSEMBLY	D3	2(S3) CUSHION (OP)
④	FRAME ASSEMBLY	D4	(S4a), 2(S4b), (S4c)
⑤	CASSETTE HOUSING ASSEMBLY	D5	4(S5)

List of Abbreviations:
2(S1) = 2 Screws (S1)
4(L1a)=4 Locking Tabs (L1a)
CN=Connector

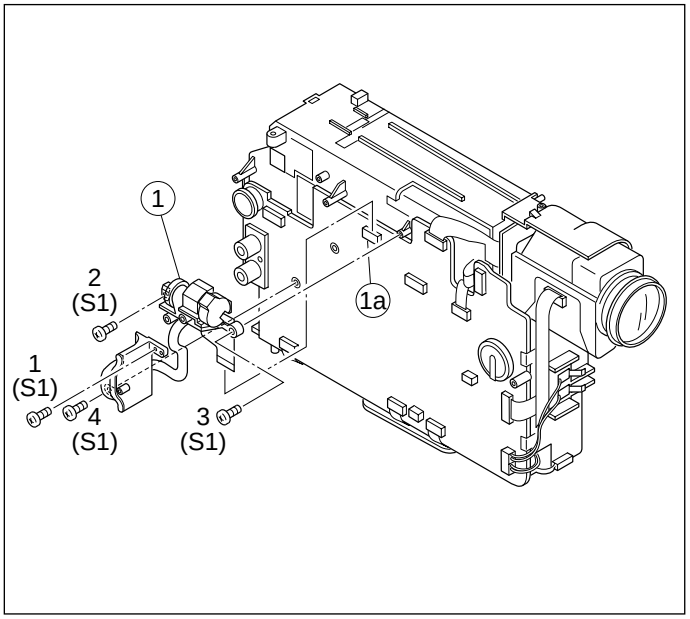


Fig. D1

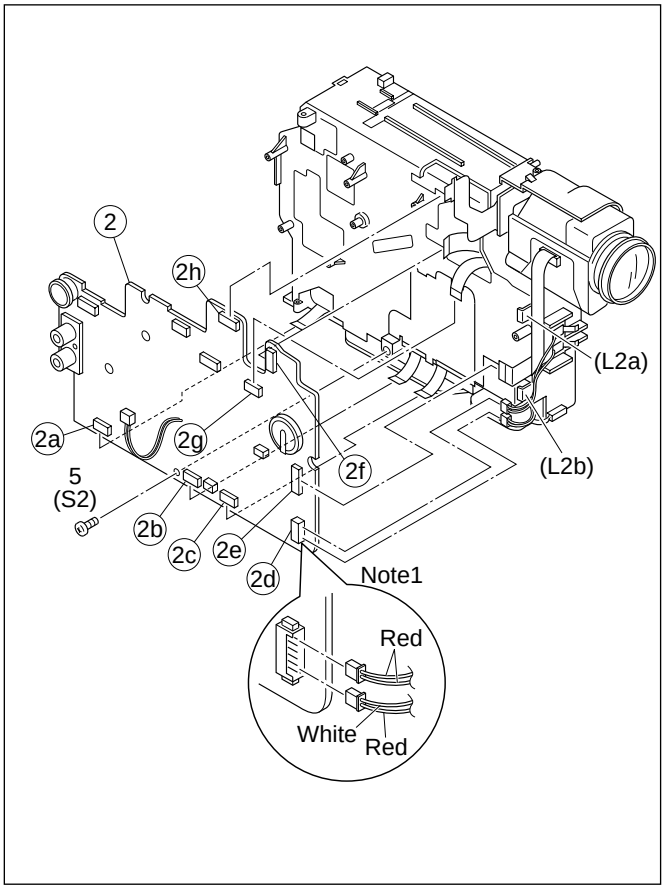


Fig. D2

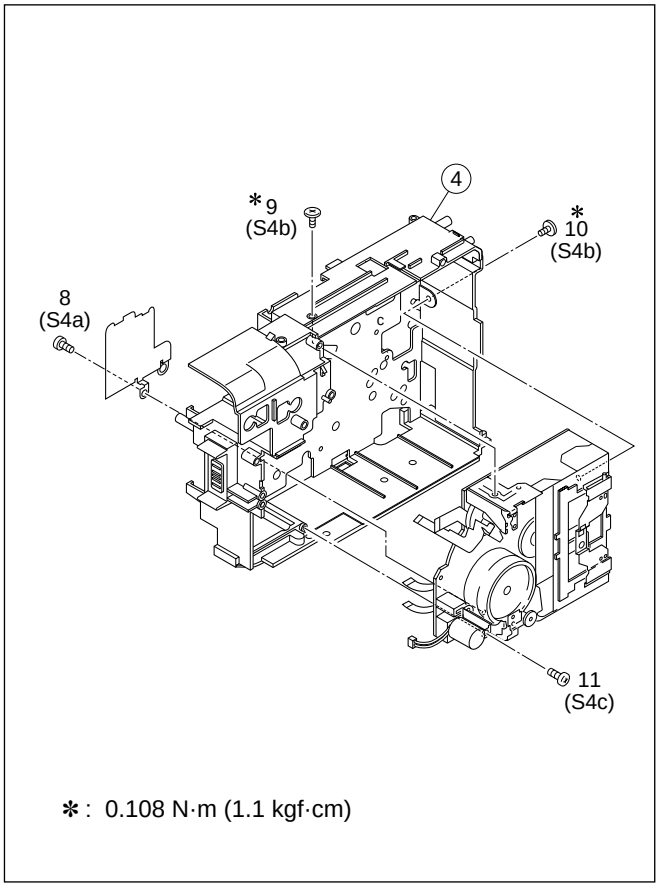


Fig. D4

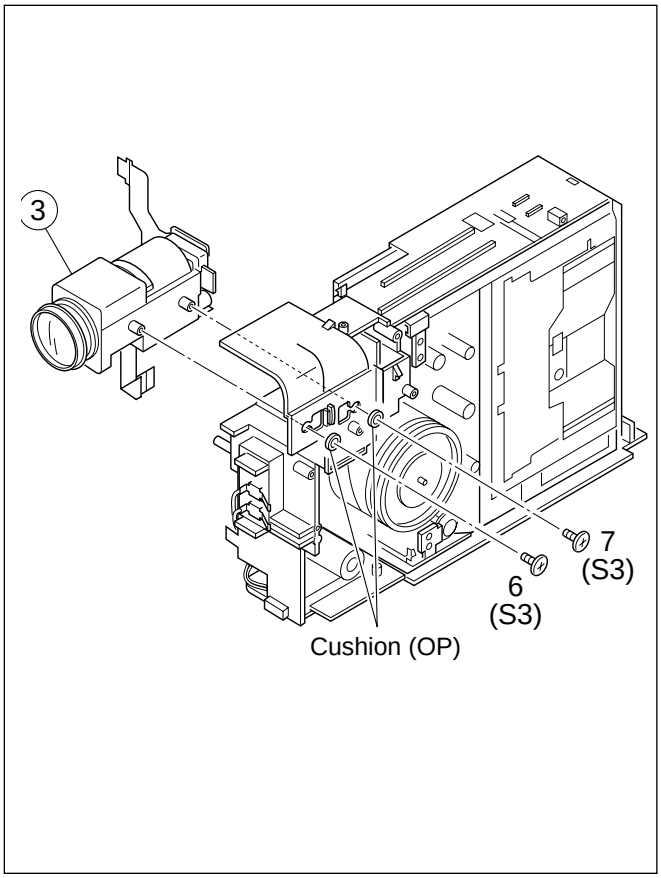


Fig. D3

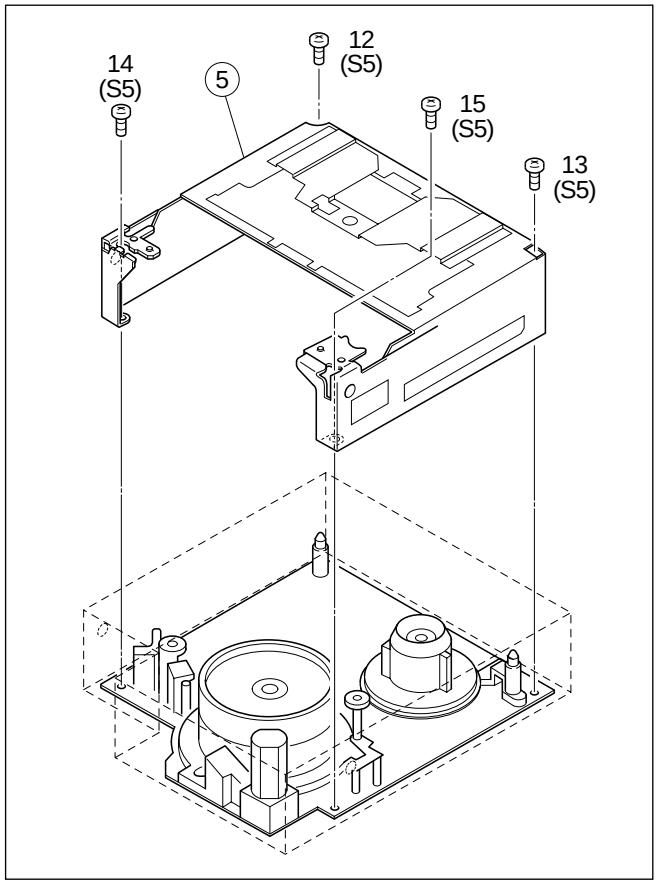


Fig. D5

1.5 REPLACEMENT OF CCD IMAGE SENSOR

Notes:

- *Pay the most careful attention to the transparent glass and optical LPF of the CCD image sensor so a not the soil and damage them. If something is soiled with finger-prints, etc., gently clean it with silicon-processed paper/cloth or chamois.*
- *When the CCD image sensor is shipped from the factory, there are protection seals applied onto the transparent glass. Leave the protector as it is, and take it off just before assembling the CCD image sensor to the OP block.*

1.5.1 Removal of CCD image sensor

1. Remove two screws (1, 2) securing the CCD base assy, and disassemble the CCD spacer, the optical LPF, spacer rubber.

1.5.2 Installation of new CCD image sensor

1. Remove the protection seal from a new CCD image sensor. Next, put the optical LPF, spacer rubber, CCD spacer on the CCD image sensor as they are piled up in this order. At that time, make sure of orientation of each item refering to the following table (see Fig. 1-5-1).

Part Name	Orientation
CCD image sensor	Mark is on the right viewed as indicated by the arrow ⓐ .
Spacer rubber	IC side is horizontal.
Optical LPF	Marks are on the left and bottom viewed as indicated by the arrow ⓐ .

2. Fix the CCD base assy to OP block with the two screws (1, 2) . At that time, be careful of the orientation.
3. After completion of all P.C. boards to the camera section, observe the monitor to confirm no vignetting caused by the bodytube, rings, lens hood, etc. If no vignetting is observed, it can be said that image's parallel, horizontality and centering are correct.

1.5.3 Replacement of CCD board assy

1. Remove one screw (3).
2. Unsolder at the fourteen points on the CCD board assy.

Note: *1. Remove the screw (3) only when the CCD board assy needs replacement.*
2. When installing a new CCD board assy, carry out the above-mentioned procedure in the reverse order.

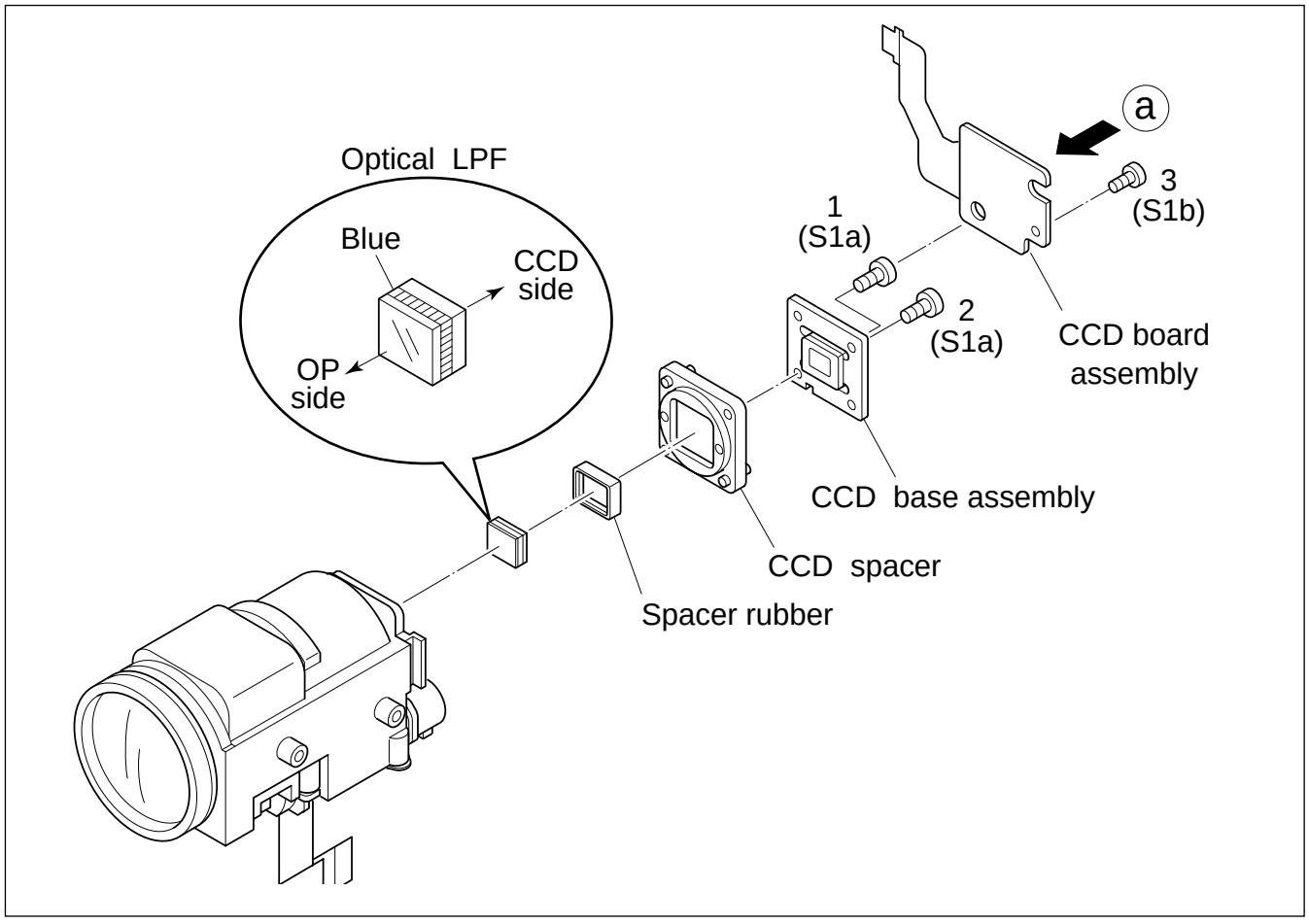


Fig. 1-5-1

1.6 TAKE OUT CASSETTE TAPE

In the event that the set enters the emergency mode as it is loaded with a cassette tape and the cassette tape cannot be ejected with the EJECT button, manually, take it out of the set according to the following procedure.

Note: *If the mechanism comes into the unloading mode as the cassette tape is not held by hand, it results in tape damage.*

1. Disconnect the set from the power source.
2. Remove the cassette cover assembly, Cover (VF), top cover, (See Fig. C1, C2 and C3, Page 1-1, 2, 3 and 4)
3. Connect a jumper wire to each pole of the loading motor as shown by the magnified view ⓑ (Fig. 1-6-1)
4. While holding down the cassette housing by hand, connect the jumper wires to a battery to run the mechanism to the EJECT position four unloading. If this unloading operation is performed as the cassette housing is not held down by hand, the front lid of the cassette may damage the tape when it is ejected.
5. For taking in the slack of the tape, run the mechanism to the EJECT position as the front lid of the cassette is left open, and turn the take-up gear in the forward direction to wind up the tape. After confirming that the tape has completely been wound up and the supply reel is idling, take the cassette tape out of the cassette housing.

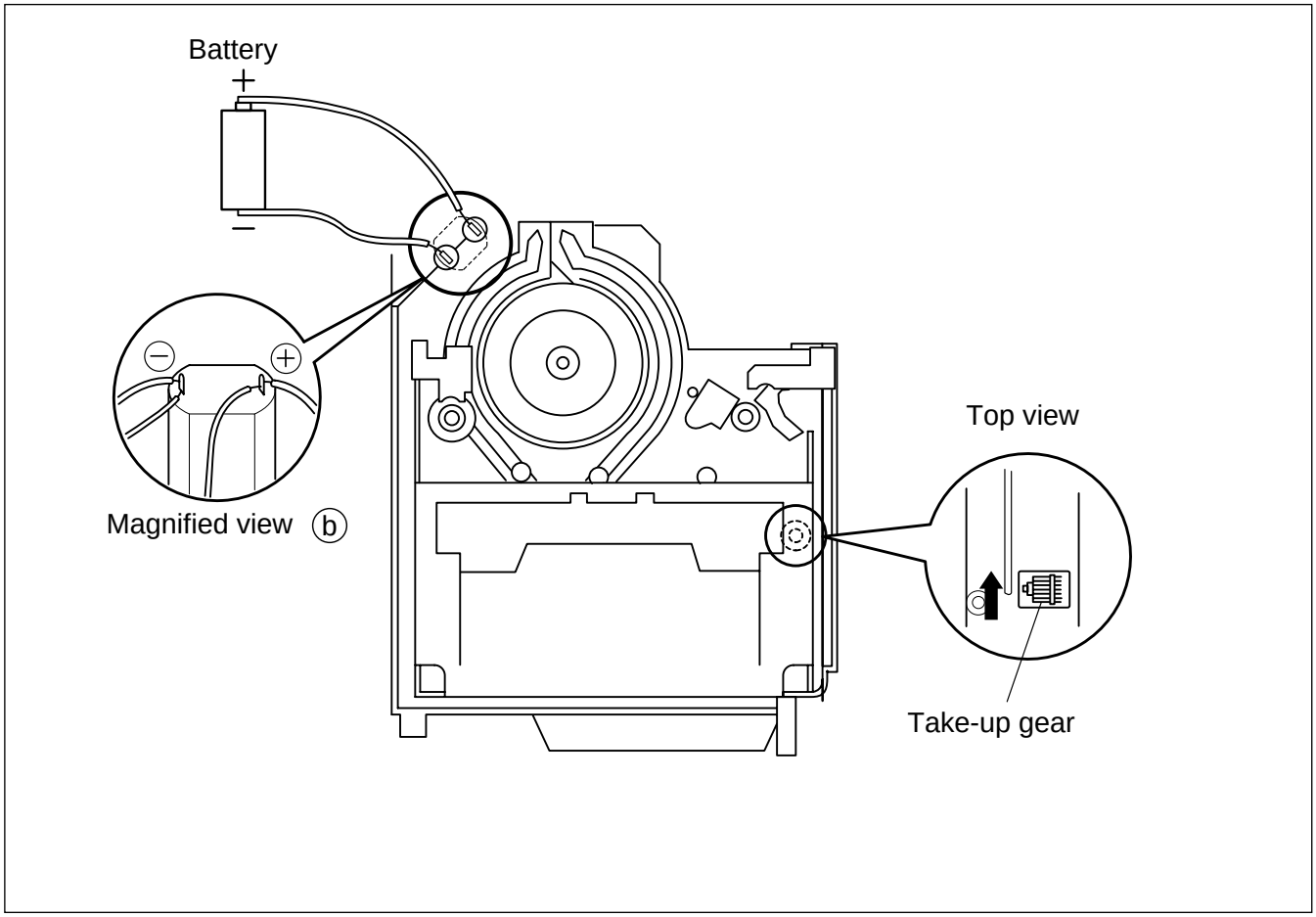


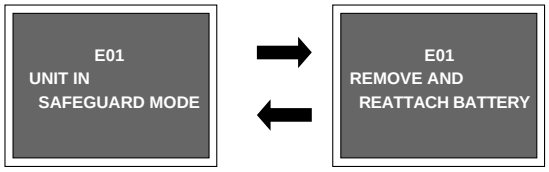
Fig. 1-6-1

1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the mechacon CPU, an error number (E01, as an example) is displayed in the electronic view finder.
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



E. VF	Symptom	Mode when observed	Resulting mode
E07	Short circuit of capstan MDA	Power ON	Power OFF
E06	CAPSTAN FG input absent	EDIT	Power OFF
E04	DRUM FF input absent	DRUM rotation	Power OFF
E03	SUPPLY REEL FG input absent	REC, PLAY, SEARCH, FF	UNLOADING →Power OFF
E02	Mode control motor rotates for more than 10 sec without shift to next mode.	UNLOADING	Power OFF
E01	Mode control motor rotates for more than 10 sec without shift to next mode.	LOADING	Power OFF
E00	Overtime the programming transaction	REC, PLAY	Power OFF

1.8 DEMONSTRATION MODE

This model has the DEMONSTRATION mode.

1) How to set the DEMONSTRATION mode.
The camera can be entered into the DEMONSTRATION mode by setting on the DISPLAY screen appearing in the viewfinder.

When entering the camera into the DEMONSTRATION mode, pay heed to the following matters.

No cassette is set in the camcorder or a cassette is set in the camcorder but it is protected from recording.

Note 1) *The indications of the DISPLAY page very depending on the setting.*

2) How to cancel the DEMONSTRATION mode.
To cancel the DEMONSTRATION mode, turn the POWER switch off (“POWER OFF”).

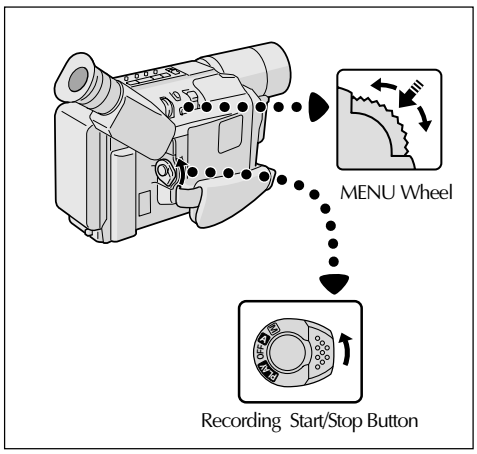
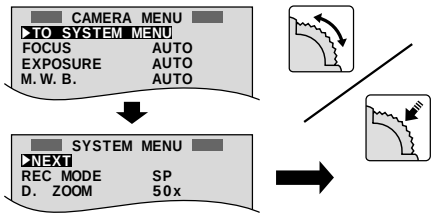


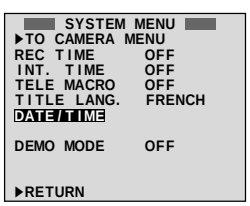
Fig. 1-8-1

1. Set the POWER switch to turn on the "M".
   Press the MENU WHEEL once. The first page of the DISPLAY appears on the LCD monitor (or in the viewfinder).



Display 1

2. Turn the MENU WHEEL in the direction of the arrow to set the cursor at “NEXT”.
   Press the MENU WHEEL once. The second page of the DISPLAY appears on the LCD monitor (or in the viewfinder).



See to next page

Display 2

Note 2) *As the "DEMO MODE" is executed, the camcoder enters the DEMONSTRATION mode after the title screen of "TITLE CALL" and "FUTURE" appear in this order.*

<Flow chart>

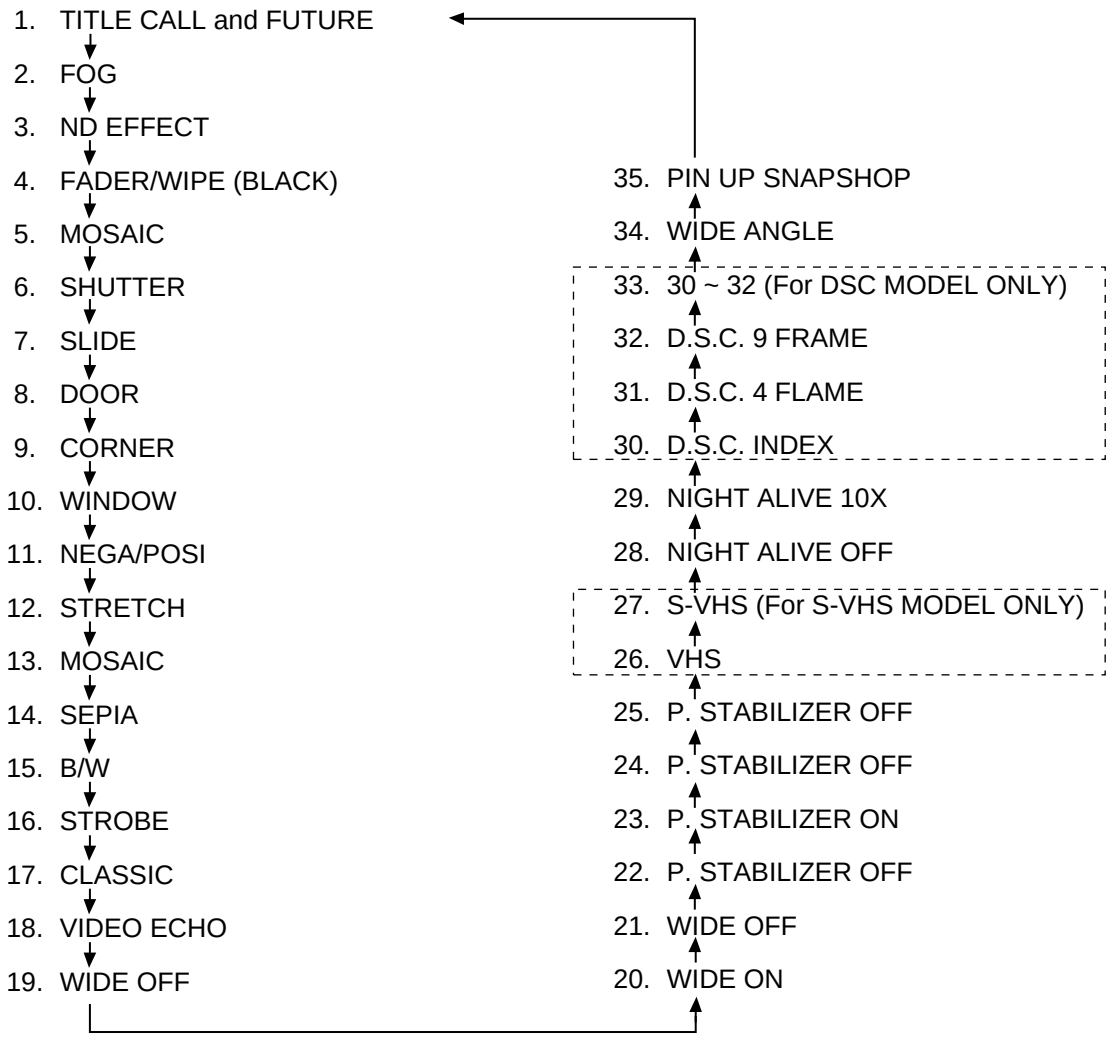
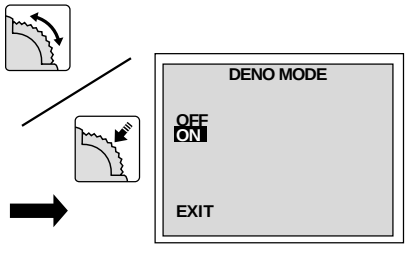


Fig. 1-8-2

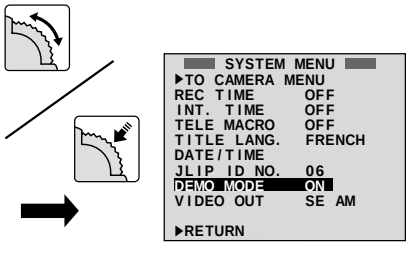
3. Turn the MENU WHEEL in the direction of the arrow to set the cursor at "DEMO MODE". Then, press the MENU WHEEL once. The third page of the DEMO MODE appears on the LCD monitor (or in the viewfinder).

4. Turn the MENU WHEEL in the direction of the arrow to set the cursor at "ON". Then, press the MENU WHEEL once.
The fourth page of the DISPLAY appears on the LCD monitor (or in the viewfinder).
("DEMO MODE" is switched "ON" from "OFF" status.)

5. Press the MENU WHEEL once. The camcorder automatically enters the DEMONSTRATION mode and it repeats demonstration operation.
While the camcorder is performing demonstration, all operations except turning on/off the POWER switch are ineffectual.



Display 3



Display 4

Refer to Fig. 1-9-2.
While the DEMONSTRATION mode is activated, a word of DEMONSTRATION is appearing on the screen scrolling from right to left.

SECTION 2
MECHANISM ADJUSTMENT

2.1 SERVICE CAUTIONS

2.1.1 Precautions

1. Before disassembling/re-assembling the set as well as soldering parts, make sure to disconnect the power cable.
2. When disconnecting/connecting connectors, pay enough attention to wiring not to damage it.
3. When installing parts, be careful not to do with other parts as well as not to damage others. (Pay the most careful attention to the upper drum assy and tape transport mechanism.)

2.1.2 How to read the disassembly and assembly (For Mechanism Parts)

(1) Order of steps in Procedure
When reassembling, perform the step(s) in the reverse order. These numbers are also used as the identification (location) No. of parts Figures.

(2) Part to be removed or installed.

(3) Location of part.
T = Top
B = Bottom

(4) Fig. No. showing Procedure or Part Location.
M = Mechanism

(5) Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped or unsoldered.
P = Spring
W = Washer
S = Screw
* = Unhook, unlock, release, unplug or unsolder.

(6) Adjustment information for installation.
(+) = Refer to Exploded Views for Lubrication information.

2.1.3 Required adjustment tools

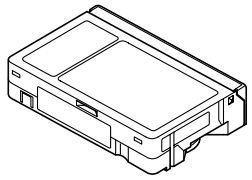
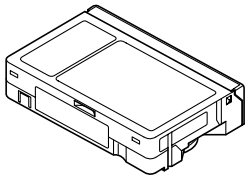
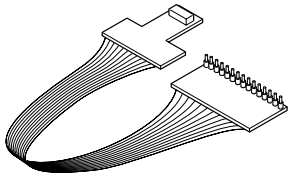
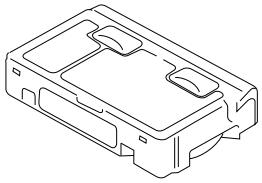
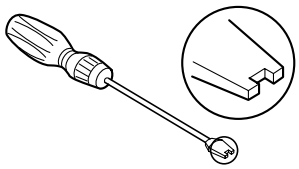
Alignment tape MHPE-C	Alignment tape MHPE-LC
	
Jig connector cable YTU93106A	Extension connector YTU94145B-30
	
Cassette torque meter PUJ50431-2	Roller Driver PTU94002-2
	

Table 2-1-1

(For Mechanism Parts)

STEP/LOC. No.	PART		Fig. No.	REMOVAL *UNHOOK/UNLOCK /RELEASE/UNPLUG /UNSOLDER	INSTALLATION ADJUSTMENT CONDITION NOTE
①	ROLLER BASE ASSEMBLY	T	M1	(S1)	–
②	TENSION ARM ASSEMBLY	T	M1	(P1), (W1a)	–
③	REEL DISC (SUP)	T	M1	(W1a), (W1b)	_
④	SLANT ARM ASSEMBLY	T	M1	(W1a)	–
⑤	CANCEL LEVER ASSEMBLY	T	M2	(W2)	_
⑥	EJECT LEVER ASSEMBLY	T	M2	(W2)	–
⑦	CASSETTE GUIDE (L) ASSEMBLY	T	M2	(S2)	–
↑ (1)	↑ (2)	↑ (3)	↑ (4)	↑ (5)	↑ (6)

2.2 DISASSEMBLY/ASSEMBLY OF MECHANISM PARTS

This procedure starts with the condition that the cabinet parts and deck parts. Also, all the following procedures for adjustment and parts replacement should be performed in STOP mode. When reassembling, perform the step(s) in the reverse order.

STEP/LOC. No.	PART		Fig. No.	REMOVAL *UNHOOK/UNLOCK /RELEASE/UNPLUG /UNSOLDER	INSTALLATION ADJUSTMENT CONDITION NOTE
①	ROLLER BASE ASSEMBLY	T	M1	(S1)	–
②	TENSION ARM ASSEMBLY	T	M1	(P1), (W1a)	–
③	REEL DISC (SUP)	T	M1	(W1a), (W1b)	–
④	SLANT ARM ASSEMBLY	T	M1	(W1a)	–
⑤	CANCEL LEVER ASSEMBLY	T	M2	(W2)	–
⑥	EJECT LEVER ASSEMBLY	T	M2	(W2)	–
⑦	CASSETTE GUIDE (L) ASSEMBLY	T	M2	(S2)	–
⑧	SUPPLY CLUTCH ASSEMBLY	T	M2	(W2)	–
⑨	WHEEL GEAR	T	M2	(W2)	See, Adjustment procedure for Section 1.3
⑩	ROTARY ENCODER	B	M3	4(S3a)	The function of this part varies according to the assembly (YMA0030A-E/ YMA0031A-E) which this part is incorporated in.
⑪	TIMING BELT	B	M3	–	–
⑫	CENTER PULLEY UNIT	T/B	M3	2(S3a)	–
⑬	CASSETTE GUIDE (R) ASSEMBLY	T	M3	(S3b), (P3)	(Only use YMA0031A-E)
⑭	TU GEAR	T	M3	(W3a)	–
⑮	BRAKE SUB GEAR	T	M3	(W3a)	–
⑯	P.R ARM ASSEMBLY	T	M3	(W3b)	–
⑰	TU GUIDE ARM ASSEMBLY	T	M3	(W3b)	–
⑱	LINK ARM ASSEMBLY	T	M4	(W4)	–
⑲	LED GUIDE	T	M4	(S4a)	–
⑳	A/C HEAD UNIT	T	M4	2(S4b)	–
㉑	SLANT POLE BASE ASSEMBLY	T	M5	(S5a)	–
㉒	CAP MOTOR ASSEMBLY	T	M5	3(S5a)	–
㉓	MOTOR BASE	T	M5	2(S5b), (S5c)	–
㉔	BRUSH	B	M6	(S6a)	–
㉕	DRUM FINAL	T/B	M6	2(S6b), 2(S6c) *CATCHER	–
㉖	GUIDE RAIL	T	M6	8(S6d)	–
㉗	POLE BASE (SUP)	T	M6	–	–
㉘	POLE BASE (TU)	T	M6	–	–
㉙	COVER PLATE	T	M7	–	–
㉚	DRIVE LEVER ASSEMBLY	T	M7	–	–
㉛	MOTOR BRACKET ASSEMBLY	T	M7	3(S7)	–
㉜	CONTROL CAM	T	M8	(W8a)	See, Adjustment procedure for Section 1.3
㉝	LINK LEVER	T	M8	–	–
㉞	MIDDLE GEAR	T	M8	–	–
㉟	LOADING GEAR(T) ASSEMBLY	T	M8	(W8b)	See, Adjustment procedure for Section 1.3
㊱	LOADING GEAR(S) ASSEMBLY	T	M8	(W8b)	–
㊲	LOADING RING ASSEMBLY	T	M8	4(S8)	See, Adjustment procedure for Section 1.3

Table 2-2-1

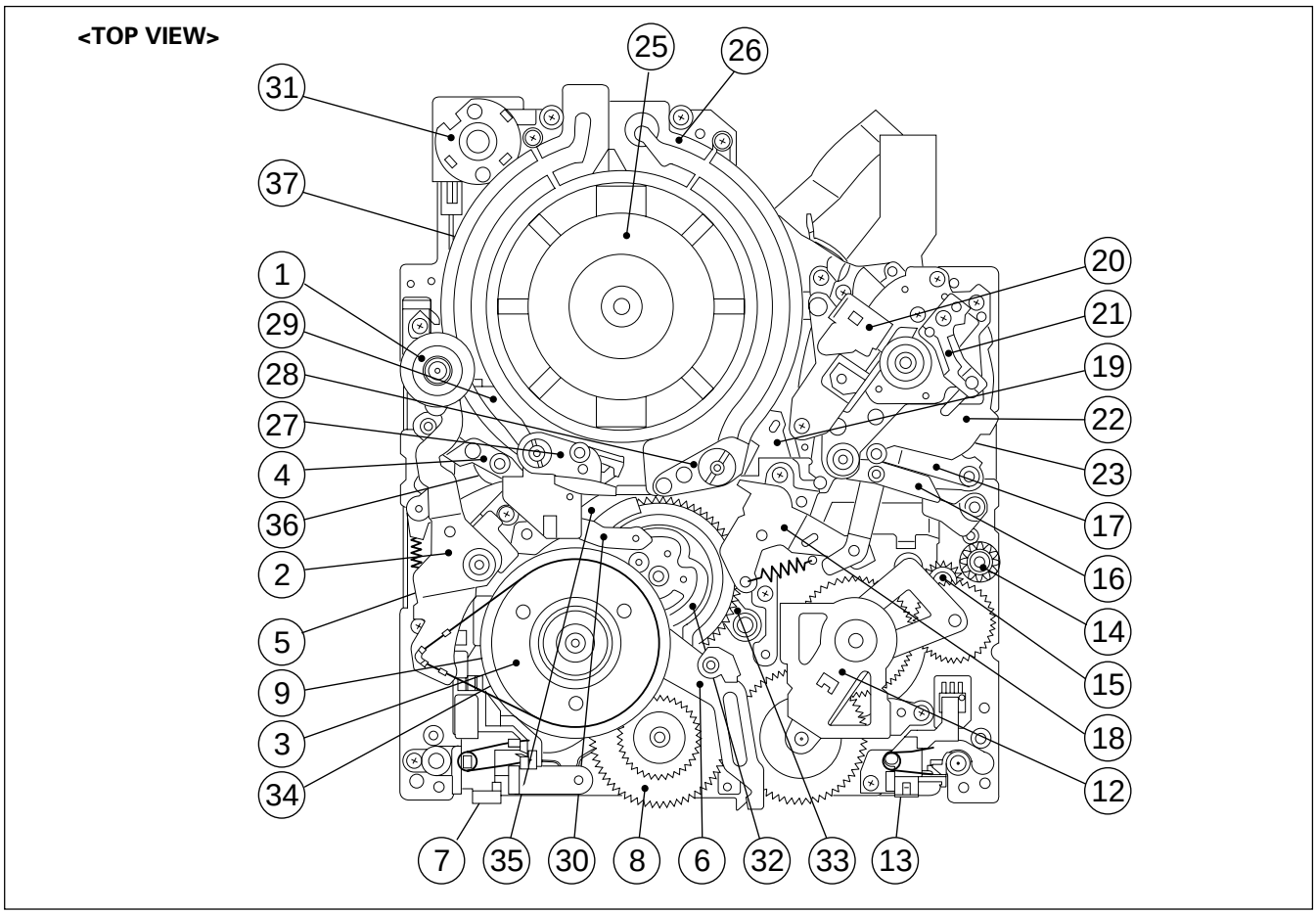


Fig. 2-2-1 TOP VIEW

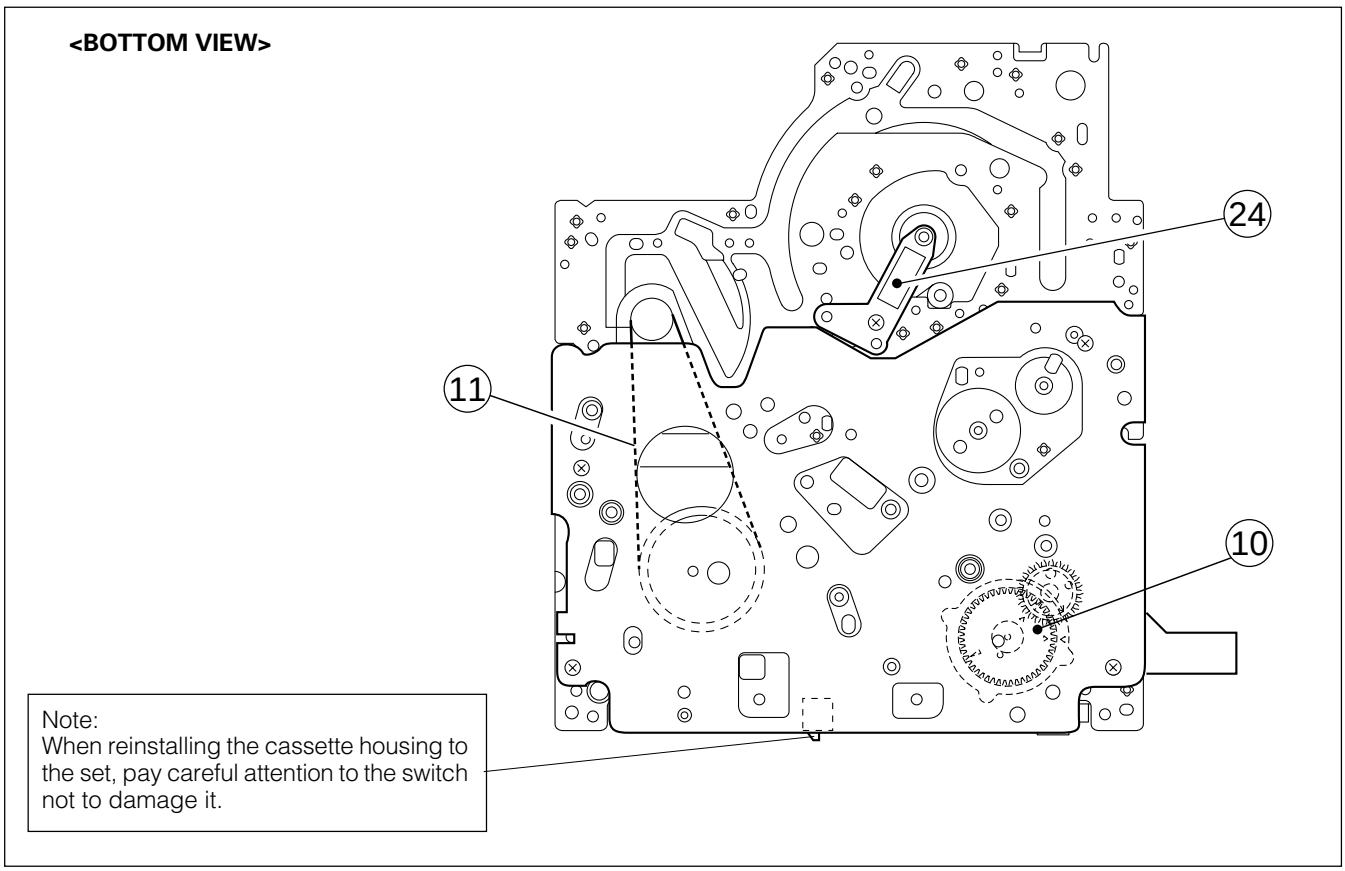


Fig. 2-2-2 BOTTOM VIEW

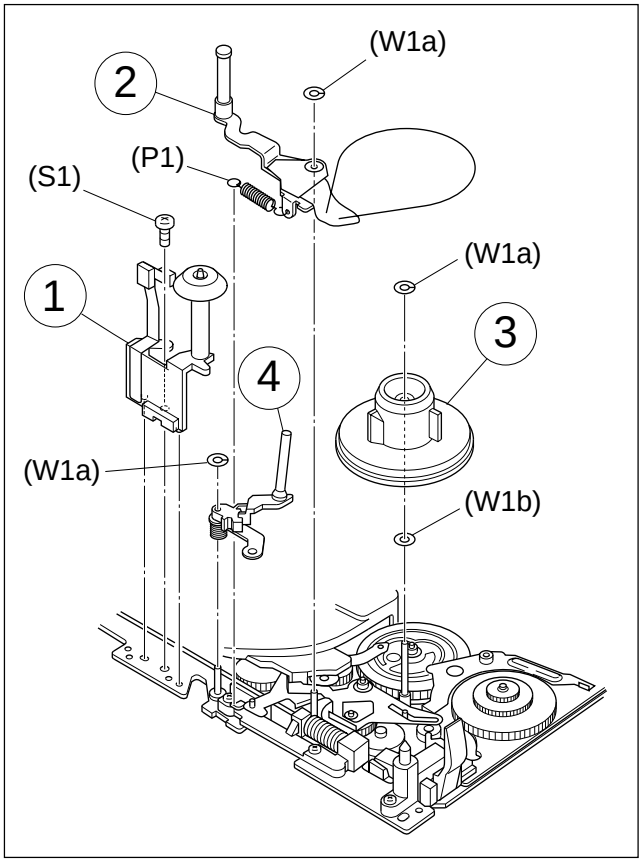


Fig. M1

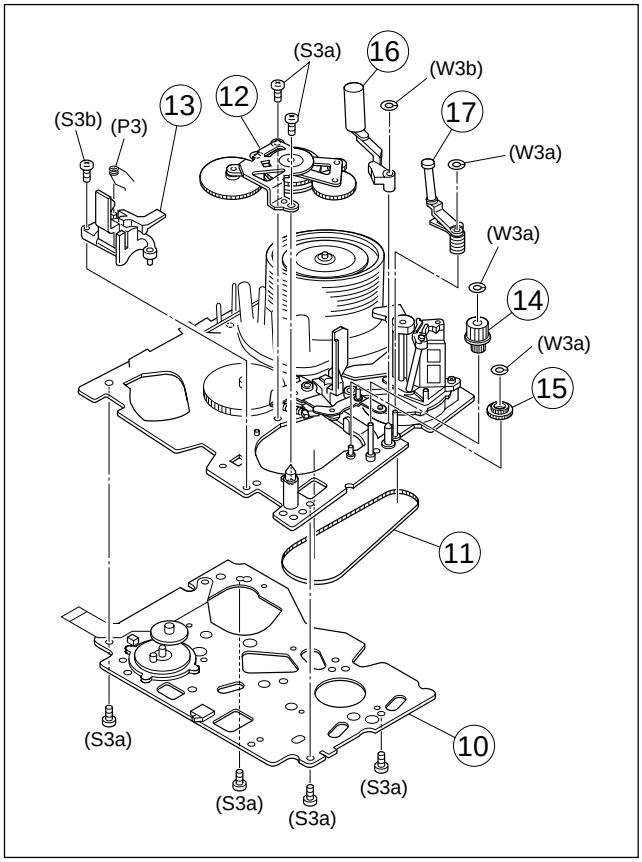


Fig. M3

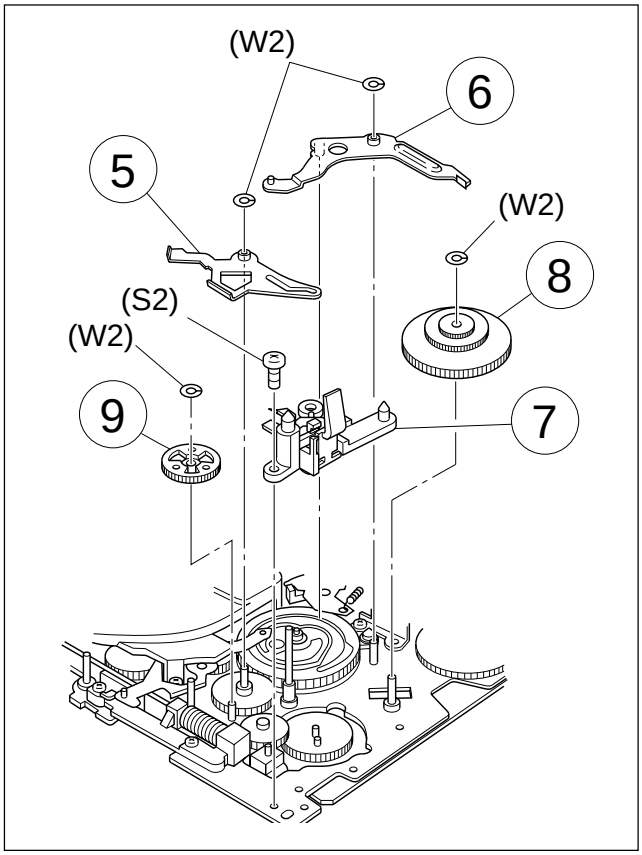


Fig. M2

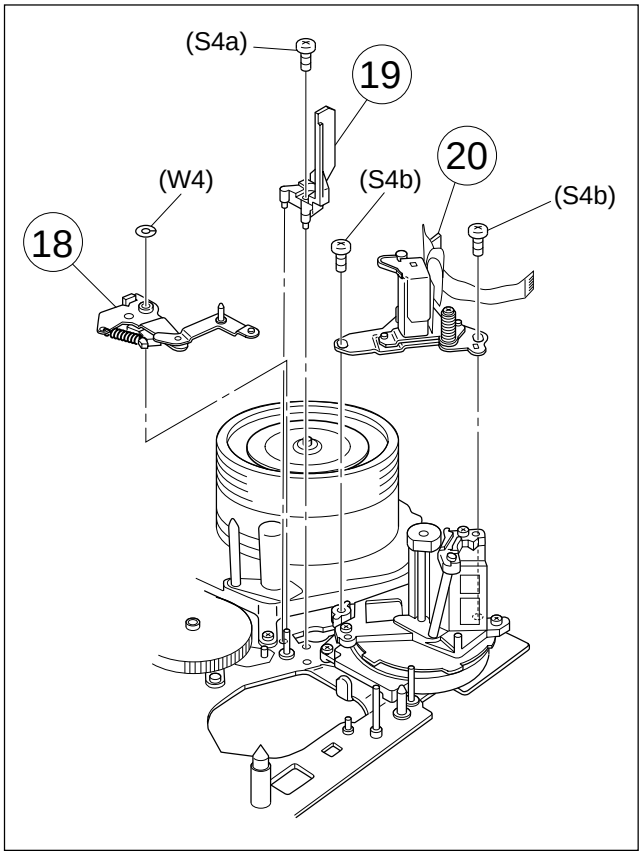


Fig. M4

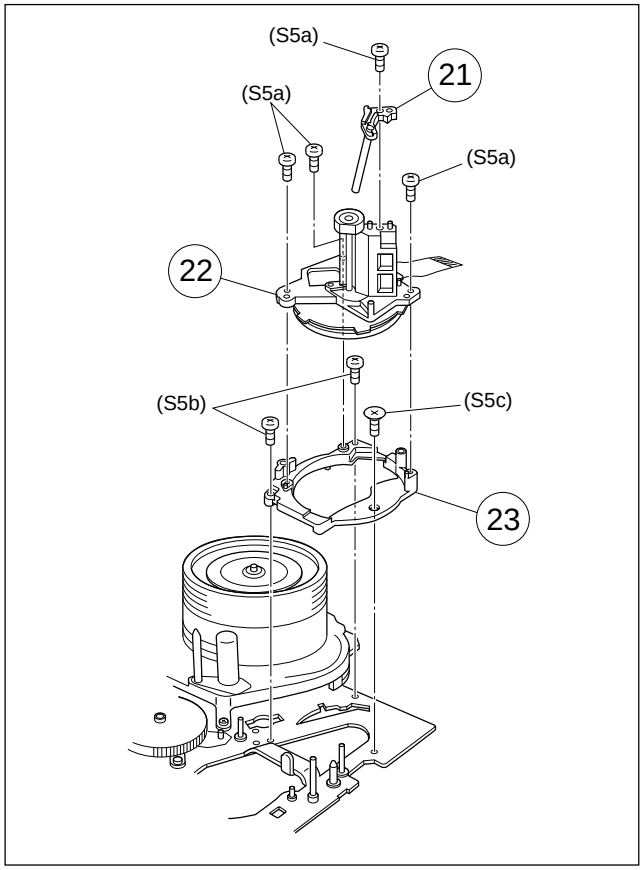


Fig. M5

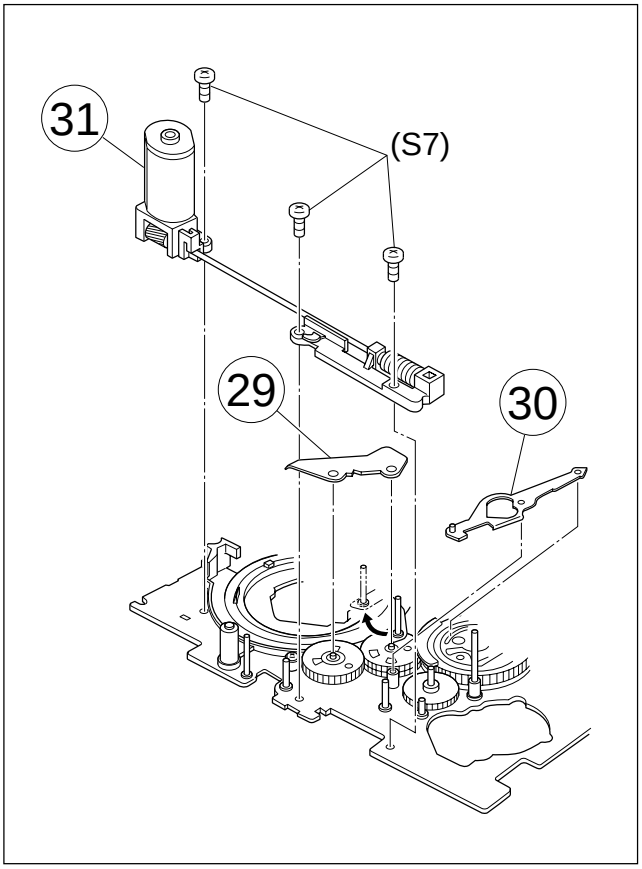


Fig. M7

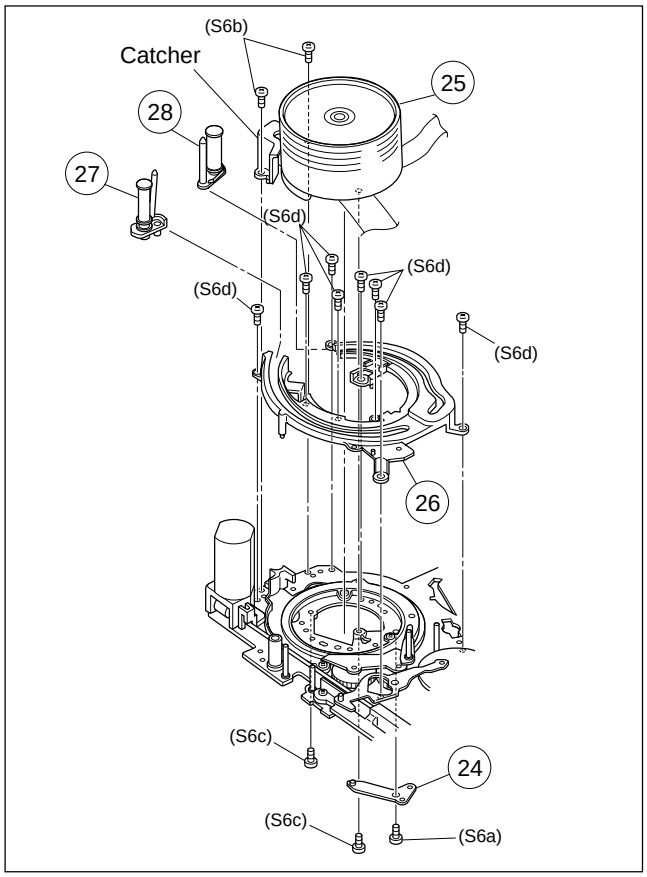


Fig. M6

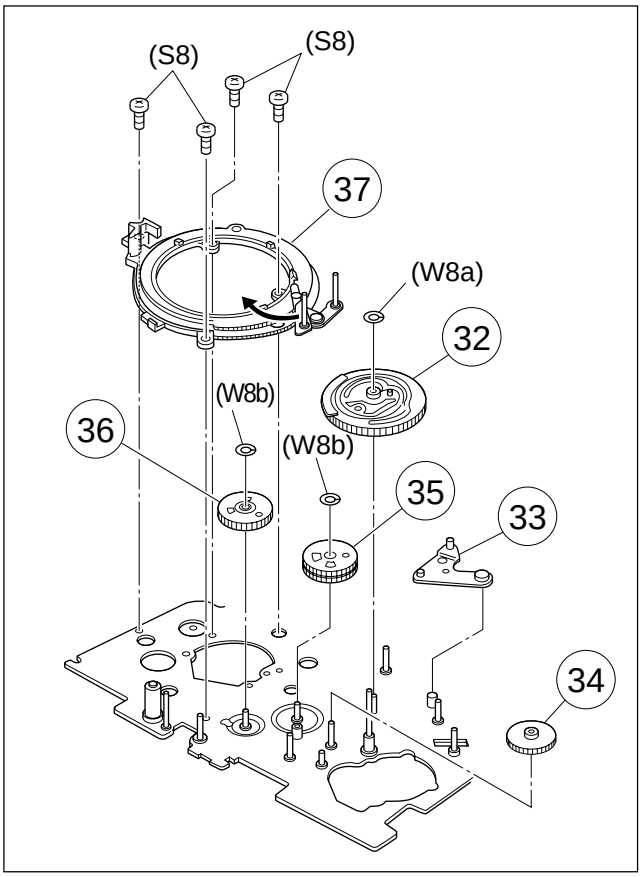


Fig. M8

2.3 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE

Note: *Pay careful attention to the installing order and phase of mechanism parts of the loading system.*

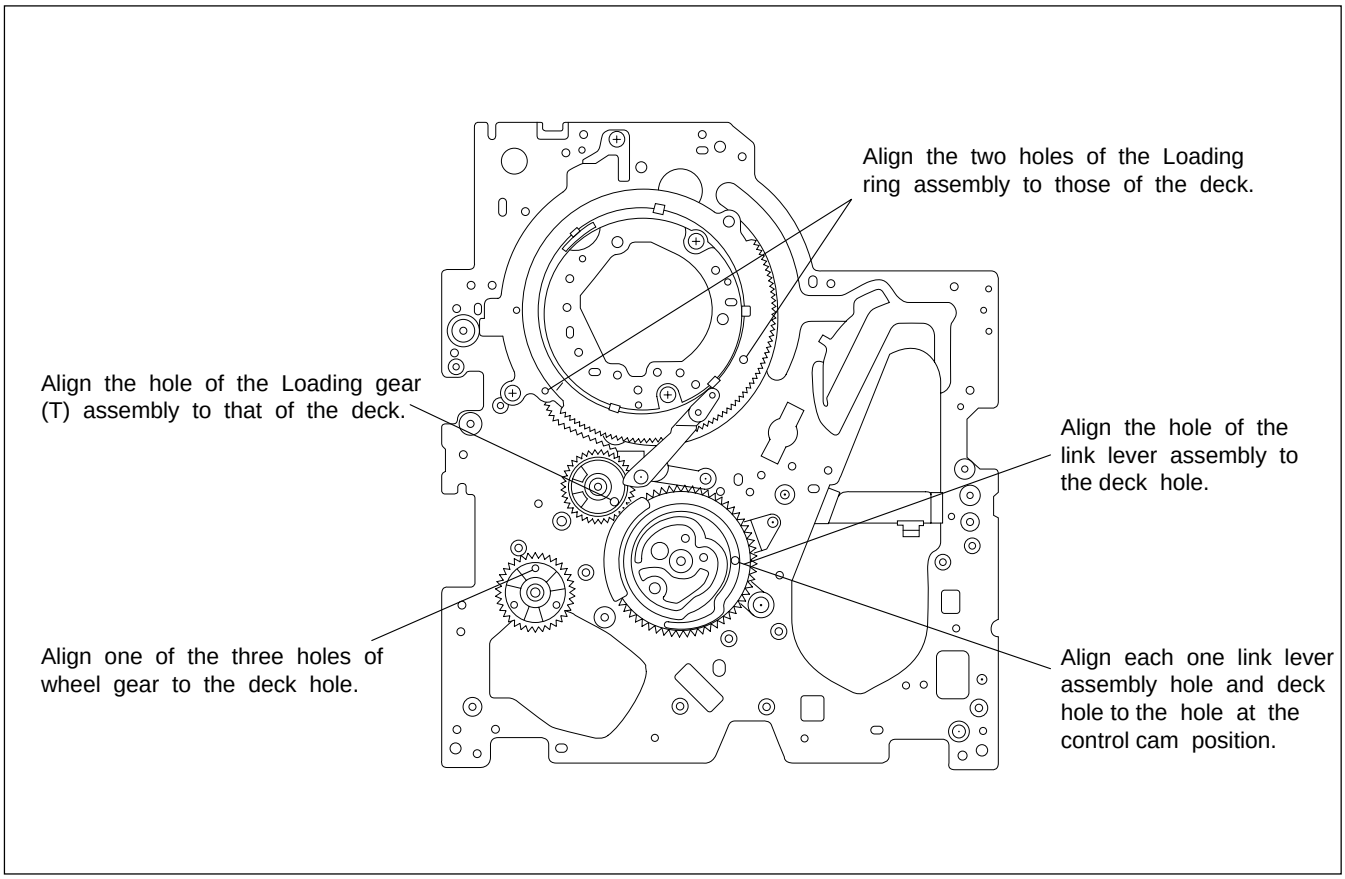

Align the two holes of the Loading ring assembly to those of the deck.
Align the hole of the Loading gear (T) assembly to that of the deck.
Align the hole of the link lever assembly to the deck hole.
Align one of the three holes of wheel gear to the deck hole.
Align each one link lever assembly hole and deck hole to the hole at the control cam position.

Fig. 2-3-1 Top of main deck

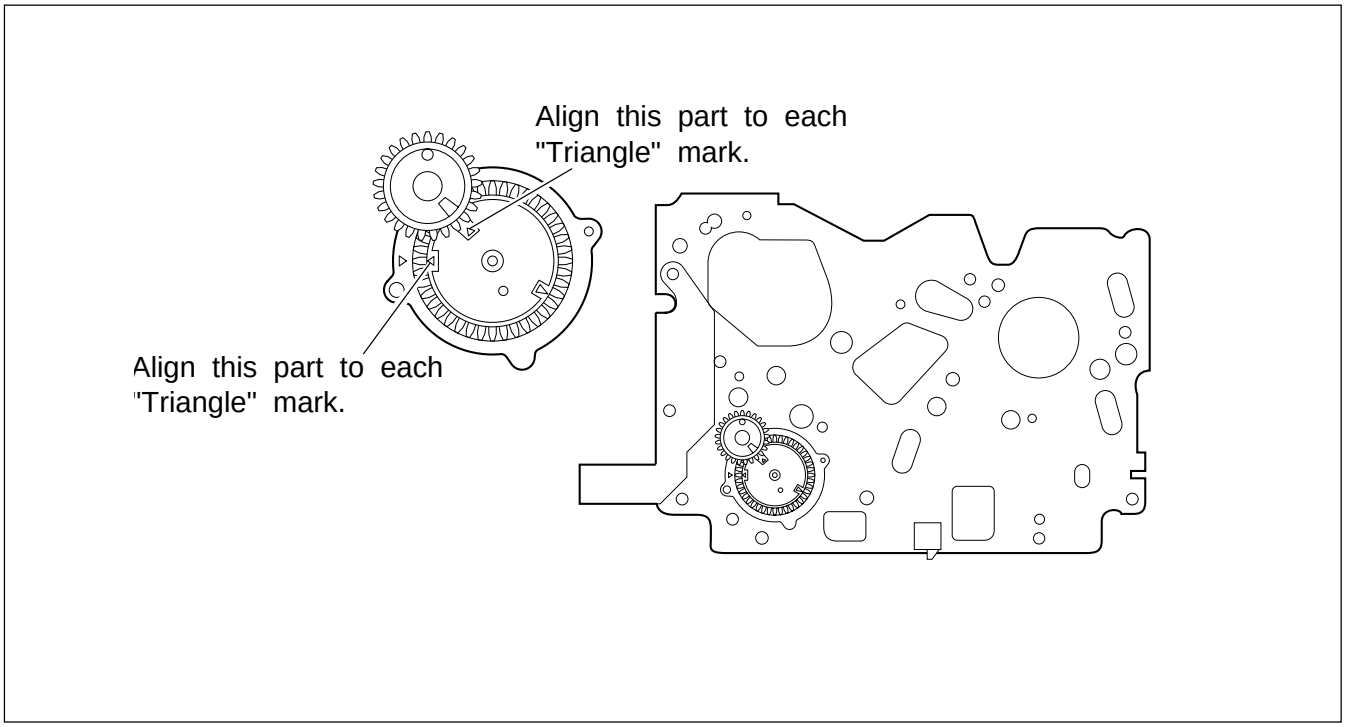


Fig. 2-3-2 Rotary encoder

2.4 TAPE TRANSPORT ADJUSTMENT

In most cases the deck section is in need electrical adjustment, it results from replacement of worm mechanical parts or video heads. In the event of malfunction with electrical circuits, troubleshouting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

2.4.1 Back tension

1. Set a cassette torque meter onto the deck and measure the back tension in standard REC mode to confirm that the back tension is 7 – 14 gf•cm.
2. If not, replace the tension band.
   When the value widely fluctuates in the measurement, replace the supply reel disk.
3. With the cassette torque meter, confirm that the play torque is 15 – 25 gf•cm.
   If necessary, replace the center pully unit.

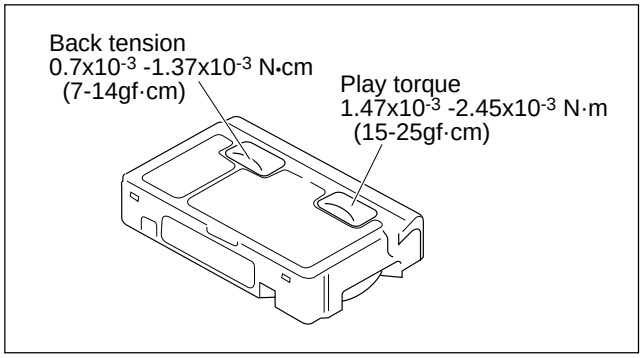


Fig. 2-4-1 Cassette torque meter

2.4.2 Tape pattern

1. Remove the Cover (JIG) shwon on Fig. 2-6-1 (Page 2-10).
2. Connect the jig connector cable to CN25 on the MAIN board as shwon on Fig. 2-6-1 (Page 2-10).
3. Observe signal at V. TP FM with external trigger from V. FF on the jig connector cable.
4. Playback the SP stairstep signal of the alignment tape and maximize the FM waveform by the tracking button.
5. Set the tracking control to the center position by simultaneously pressing the tracking (-) and (+) buttons and maximize the FM waveform by the tracking button.
6. If the observed FM waveform is not flat, adjust the height of the supply of take-up guide roller with the roller driver.

   Note: *To prevent the tape from damage, turn the guide rollers slowly.*

7. By operating the tracking button (both in + and – directions) in the manual tracking mode, vary the output level of the FM waveform from maximum to minimum and vice versa to confirm that the waveform varies nearly in a flat shape.
8. When the FM waveform breaks in the level varying process, subtly adjust the height of guide rollers at every breaking point so that the waveform varies as flat as possible.
   Repeat the above steps 6. and 7. several times to confirm that the waveform is flat as a whole.
9. Playback the LP stairstep signal of alighment tape and adjust the tracking control to maximize the FM waveform, confirm that FM waveform variation is always flat.
10. Record the signal and play it back in both of the SP and LP modes, and confirm that the FM waveform is flat in both modes.

    Note: *Among the above-mentioned adjustment steps, the items of No. 9 and No. 10 are needed for the LP model only.*

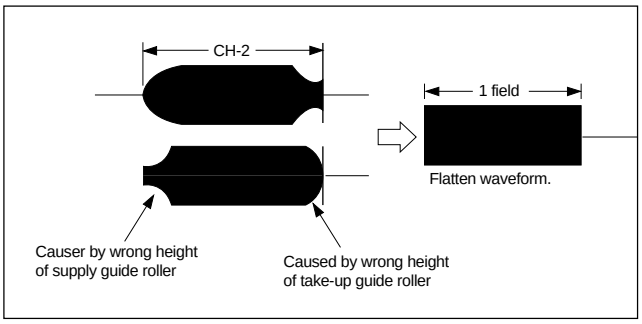


Fig. 2-4-2 FM waveform-1

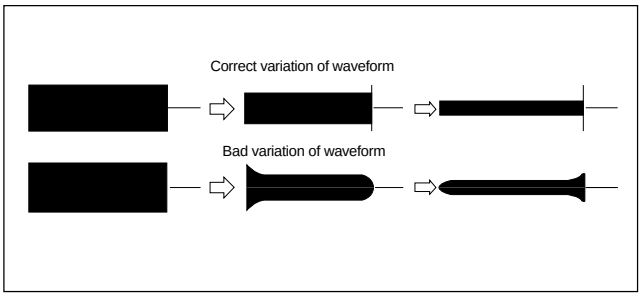


Fig. 2-4-3 FM waveform-2

11. Through the above steps, confirm that there occur no wrinkling and damage in the tape around the pinch roller and TU guide pole whenever the deck is in operation of Loading/Unloading, Search Rewind and at mode change from Search Rewind to play mode. If wrinkling or damage in the tape occurs around the TU guide pole, adjust the angle (slant) of the A/C head to the tape. So that the tape normally runs along the lower flange of the guide pole.

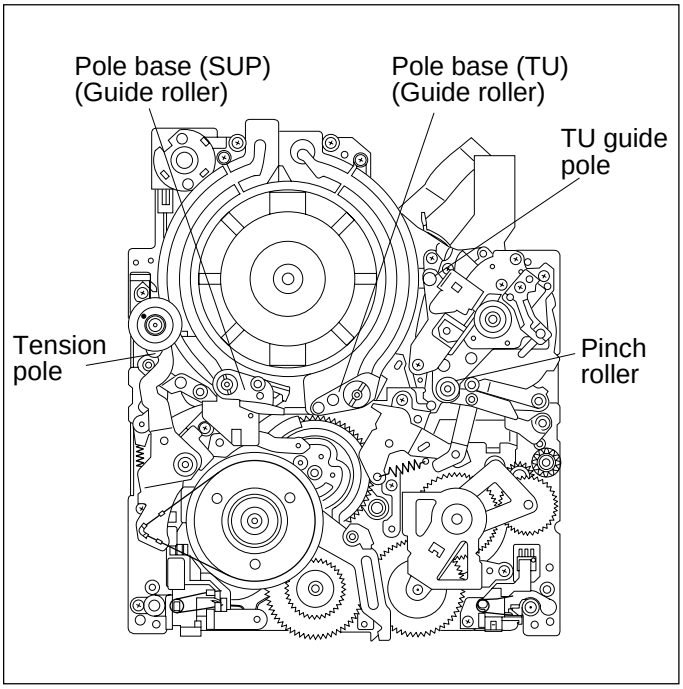


Fig. 2-4-4 Tape transport system

2.4.3 A/CTL head height & azimuth

1. Connect the jig connector cable to CN25 on the MAIN board.
2. Connect the channel-1 scope probe to the audio output and connect the channel-2 scope probe to PB CTL.
3. Playback the alignment tape.
4. Set the tracking to its center range by pressing the (+) and (–) tracking controls simultaneously.
5. Adjust screws Ⓐ , Ⓑ and Ⓒ approximately 45 degrees in the same direction to obtain maximum audio output and CTL signal levels.
6. As a final fine adjustment, adjust screw Ⓑ for minimum signal level fluctuation and screw Ⓒ for maximum output signal level.

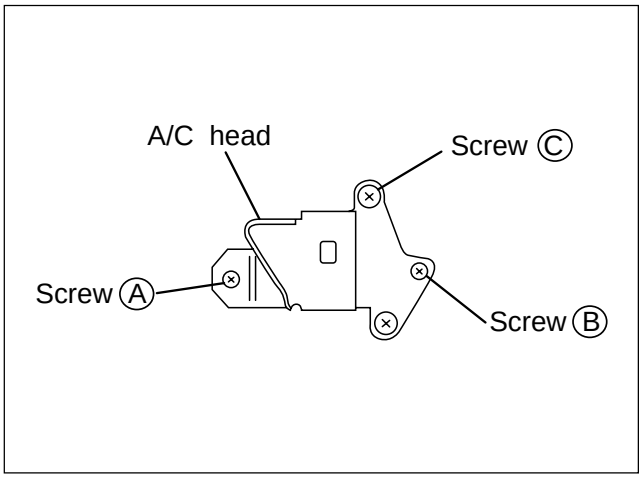


Fig. 2-4-5 A/C head

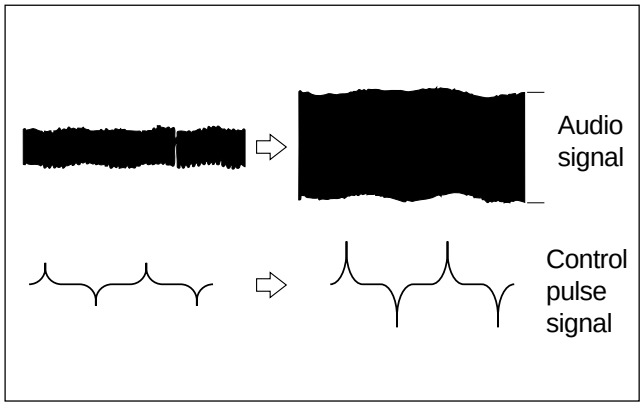


Fig. 2-4-6 Audio and CTL signal

2.4.4 Phase of control head (X value)

1. Connect the jig connector cable to CN25 on the MAIN board.
2. Playback the SP stairstep signal of the alignment tape and observe signal at V.TP FM with external trigger from V.FF on the jig connector cable.
3. Operate the tracking button in the center and manual tracking mode by pressing the tracking (+) and (–) buttons and confirm that the FM output level is maximum at the center position as shown in Fig. 2-4-8.
4. If necessary, slightly loosen the setscrews Ⓓ and Ⓔ and insert the Tweezers into the notch and guide hole to move the A/C head fully in the direction of the capstan to the extent.
5. Gradually move the A/C head toward the drum to find the position where the FM output level maximum for the first time (a' – b' in Fig. 2-4-8).
6. Fine adjust the phase of the A/C head and tighten the screws Ⓓ and Ⓔ at the point a.

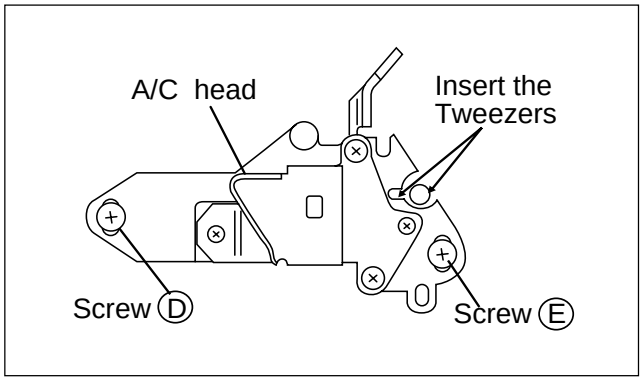


Fig. 2-4-7 Phase of control head

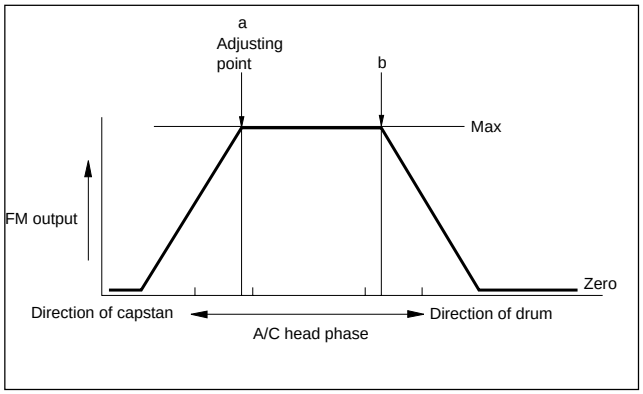


Fig. 2-4-8 Phase adjustment point of control head

2.5 REMARKS

2.5.1 Cleaning

1. For cleaning of the upper drum (particularly video heads), use fine-woven cotton cloth or Kimwipe with alcohol soaks through. Do not move the cloth but turn the upper drum counterclockwise.

   Note: *Make sure not to move the cloth in the vertical direction to the video head, since it may cause damage of the video heads.*

2. For cleaning of parts of the tape transport system except the upper drum, use fine-woven cotton cloth or cotton swab soaked alcohol.
3. After cleaning, confirm that the cleaned parts are completely dry before loading the deck with cassette tape.

2.5.2 Applying oil and grease

1. Periodical oiling and greasing are not required but should be done to new parts when replacing. If oil and grease on the other parts of the other party are old and dirty, wipe them clean and apply new oil or grease.
2. For parts and points to apply oil and grease, refer to the exploded view of the mechanism assembly (M3). Table 1-5-1 specifies oil and grease to be used.
3. When oiling, clean the objective parts with alcohol first and apply one or two drop(s) of oil. Too much oiling causes rotary parts to slip because of oil leakage.

Classification	Name	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

Table 2-5-1 Specific oil and grease to be used

2.5.3 Checkup

After replacement of the supply reel disk and tension band, make sure to inspect back tension according to the adjustment procedure of MECHANISM ADJUSTMENT section.

2.6 JIG CONNECTOR CABLE CONNECTION

Remove the cover (JIG).

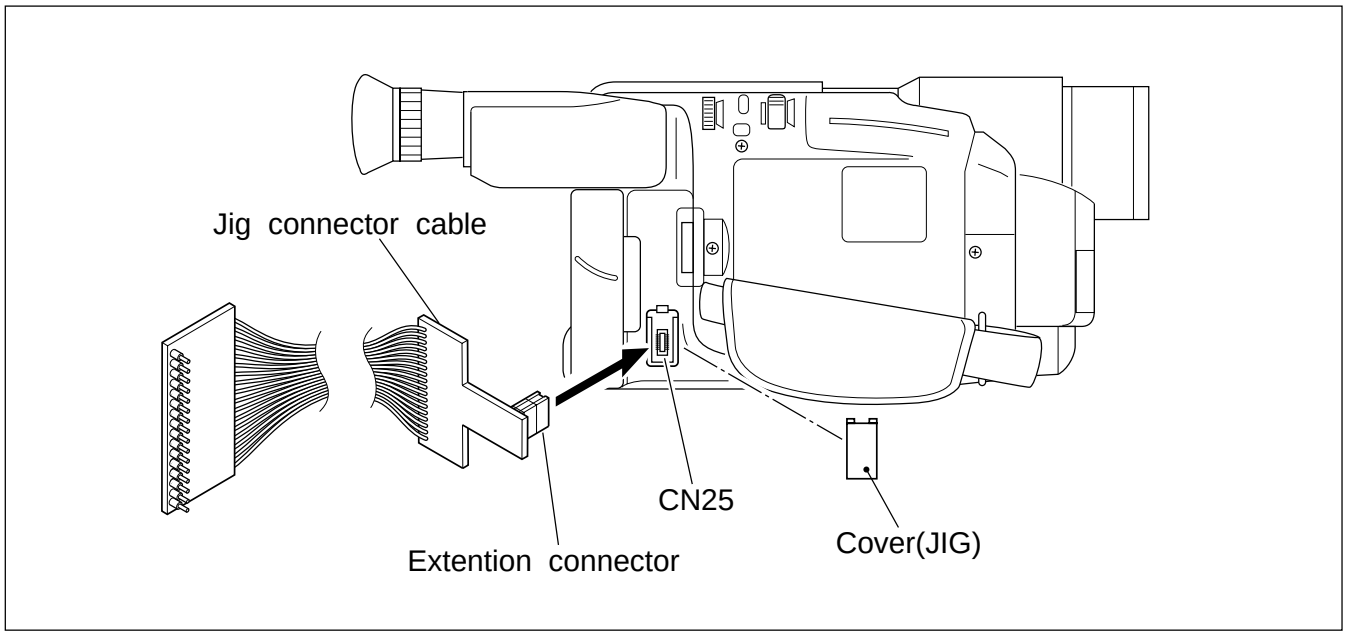


Fig. 2-6-1 Jig connector cable connection

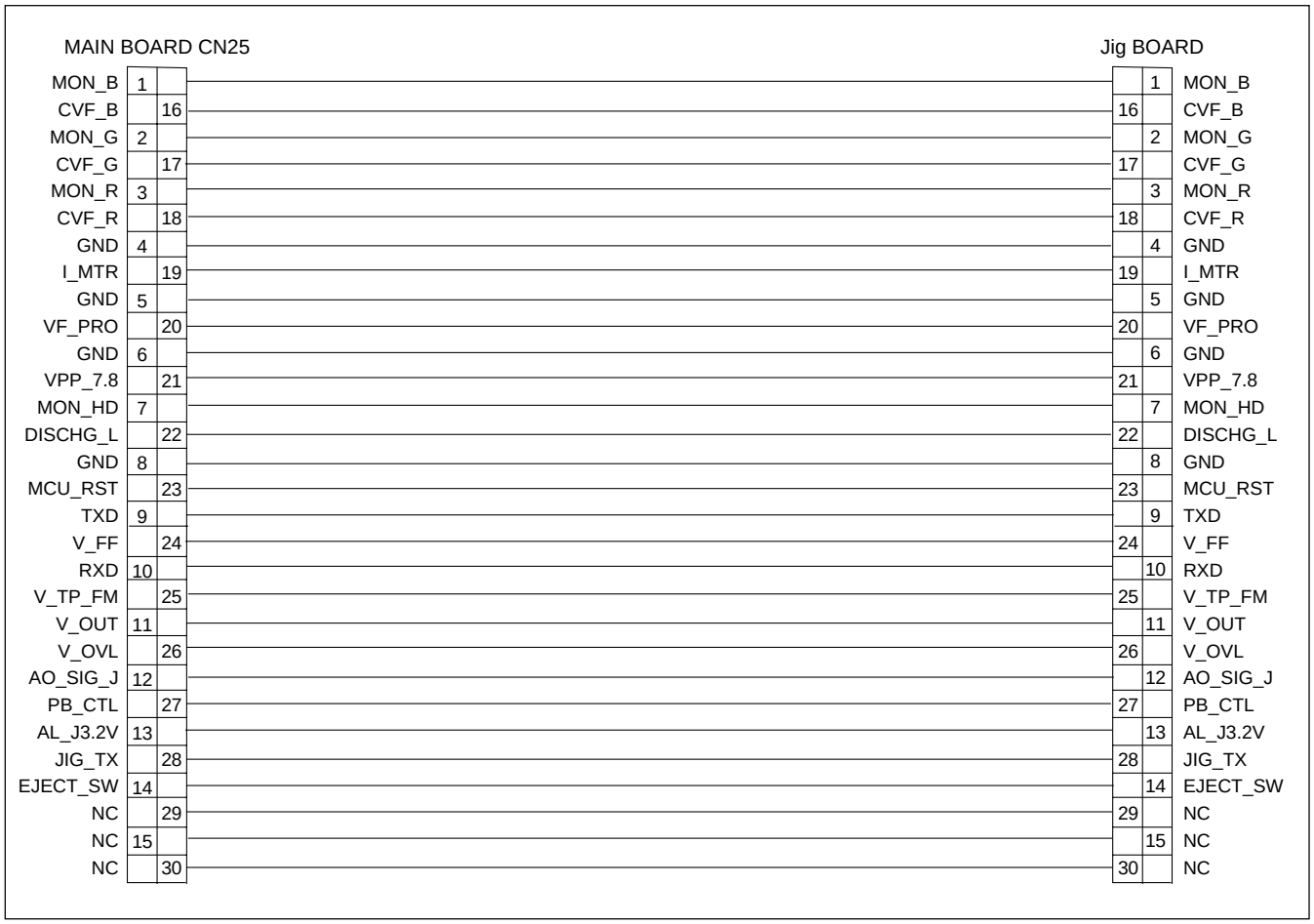


Fig. 2-6-2 Jig connector cable schematic diagram

SECTION 3
ELECTRICAL ADJUSTMENT

3.1 ELECTRICAL ADJUSTMENT

3.1.1 PREPARATION

1. Precaution

This model does not contain adjustment controls (VR). General deck system, camera system and monitor system adjustment are not required. However, if MAIN board and MONITOR board need replacement, please use original E^2PROM on to new board. Then adjustment are not required. And if parts such as the following need replacement, special computerized adjustment are required (Refer to sec. 3.1.1-4). Please contact to JVC Service for detaile information.

- OP block
- E^2PROM (IC104 of MAIN board)
- MONITOR

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation un it and DECK chassis.

2. Required test equipment

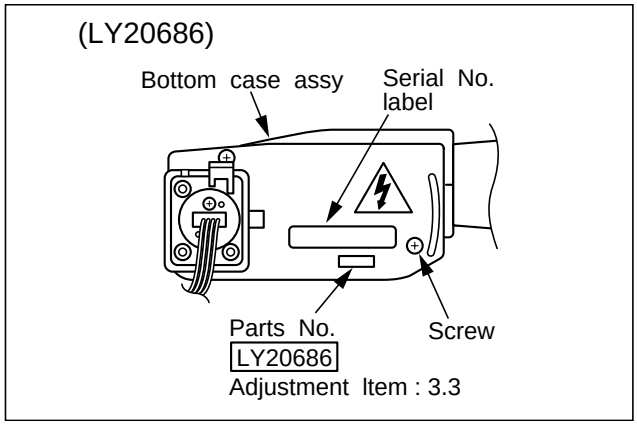
1. Color TV monitor.
2. AC power adapter
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)
   * It is recommended to use one observable 300 MHz or higher frequency.
4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3. Required adjustment tools

For detsails of special jigs necessary for adjustment, refer to page 1-2 and 1-3 of the Section 1.

4. Setup for E. VF section adjustment

Referring to “SEC. 1 DISASSEMBLY” and connect the E.VF WIRE to CN12 of the MAIN board.



Note:

- *This adjustmentalls into a special adjustment that requires a personal computer.*
  For details, refer to “3.1.1 Preparation”.

5. Connection for Service support system

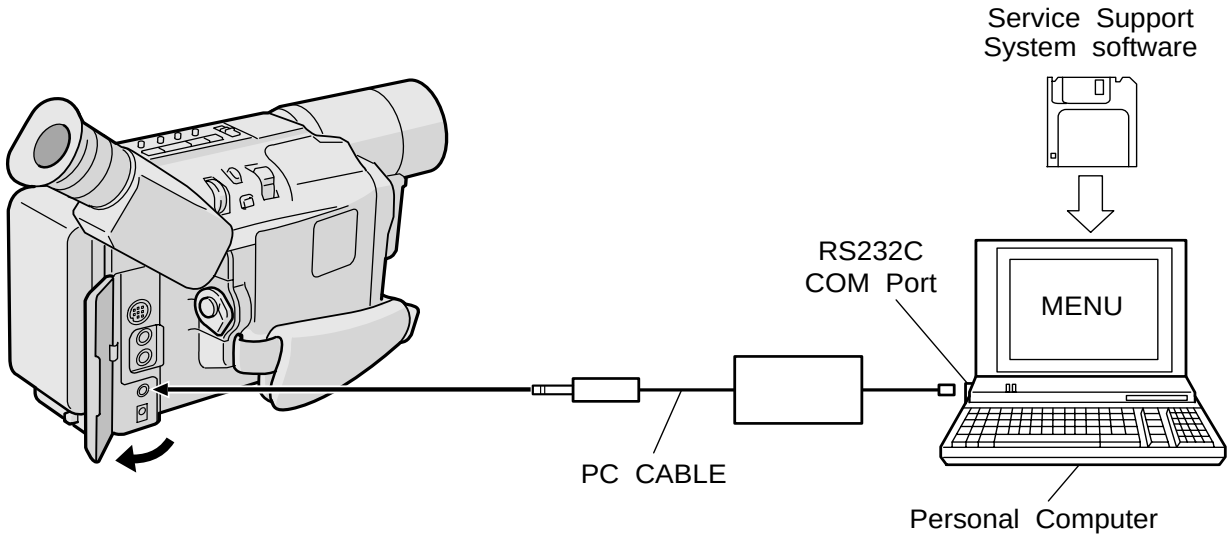


Fig. 3-1-1 Connection for Service support system

■ FUSE LOCATION FOR MAIN BOARD ASSEMBLY

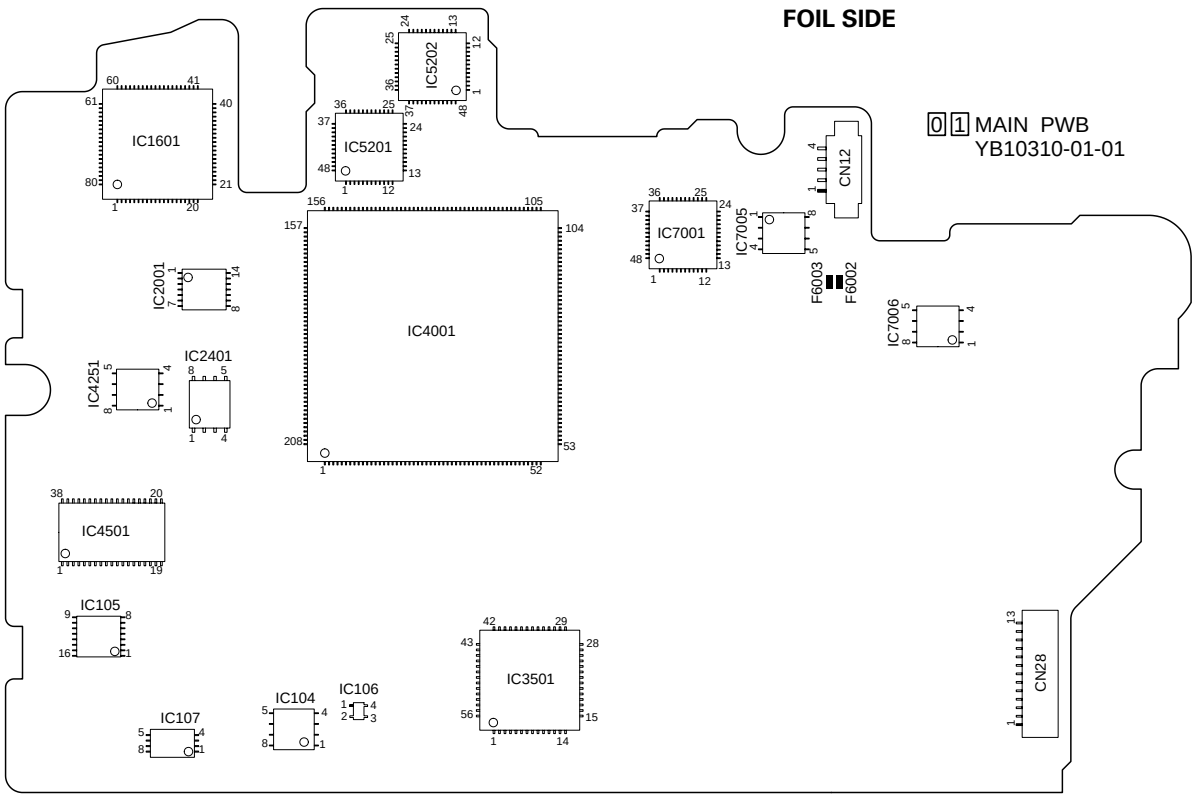


Fig. 3-1-2 FUSE location for MAIN board assembly (FOIL SIDE)

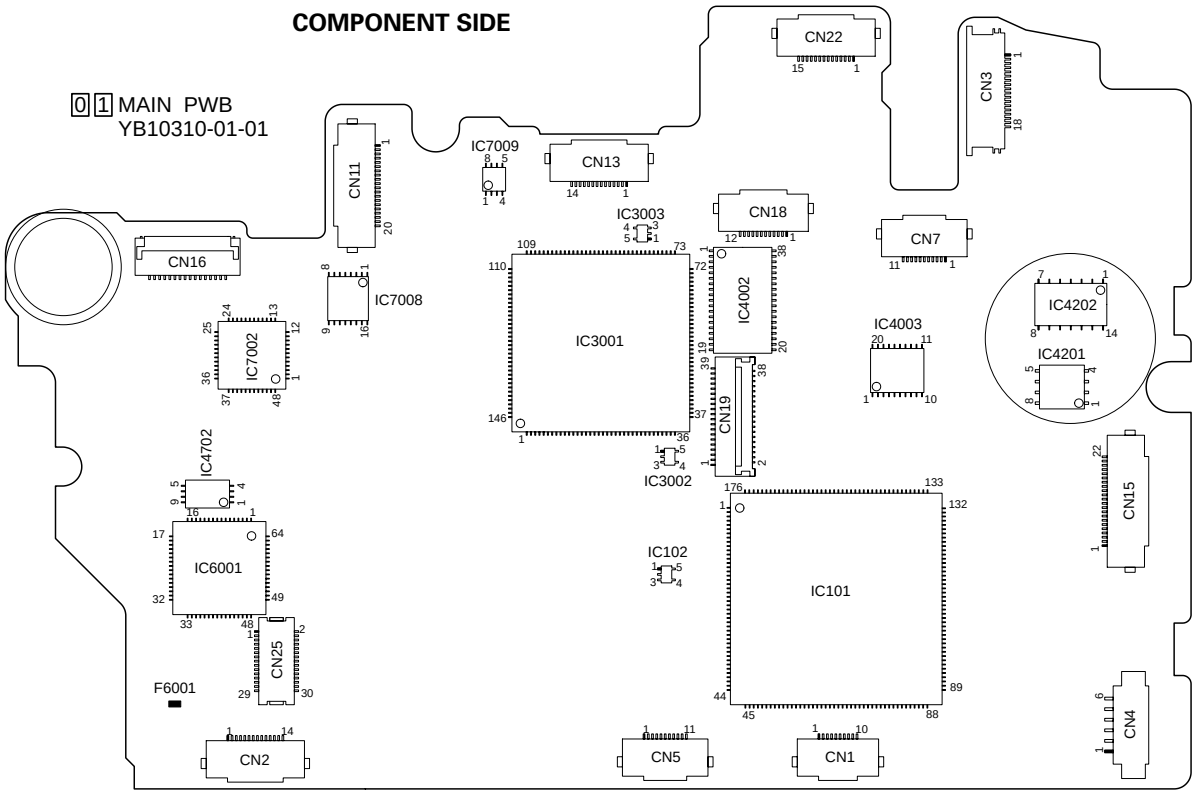


Fig. 3-1-3 FUSE location for MAIN board assembly (COMPONENT SIDE)

■ **FUSE LOCATION FOR MONITOR BOARD ASSEMBLY**

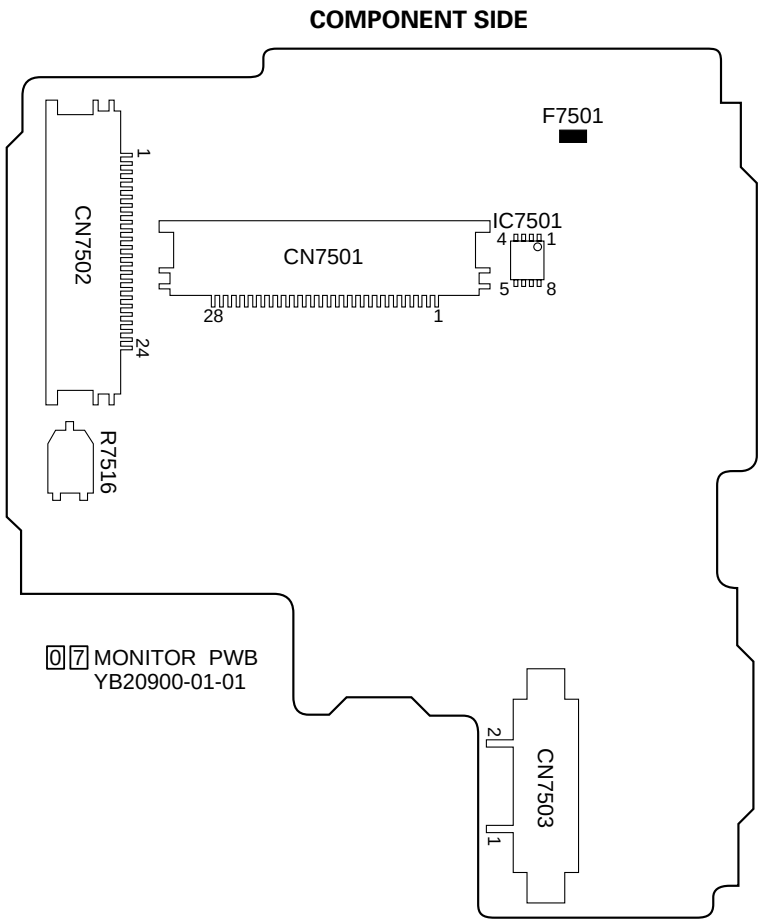
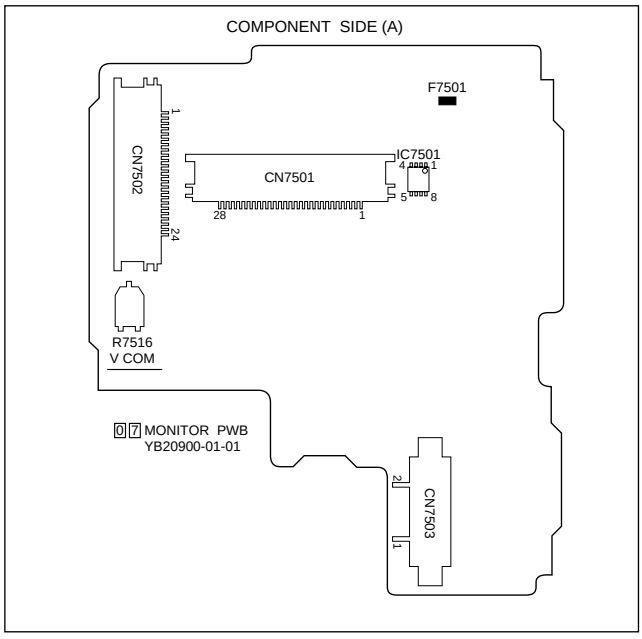


Fig. 3-1-4 FUSE location for MAIN board assembly (COMPONENT SIDE)

3.2 MONITOR ADJUSTMENT

Notes: *Unless otherwise specified, all measurement points and adjustment parts are located on MONITOR board.*



3.2.1 V COM

Signal	• Alignment tape • Stairstep
Mode	• PB
Equipment	• LCD MONITOR
Measurement point	• –
Adjusting part	• R7516 (V COM)
Specification	• Black level must correctly be reproduced on the LCD MONITOR. (There is a sharp contrast between black and white parts.)

(1) Adjust R7516 to make sharp contrast between black and white parts on the LCD MONITOR screen.
(2) Adjust R7516 so that black and white levels (patticularly black level in the contour) is sharply reproduced on the LCD MONITOR screen.

3.3 ELECTRONIC VIEWFINDER (E. VF) ADJUSTMENT

Notes: *Unless otherwise specified, all measurement points and adjustment parts are located on E. VF board.*

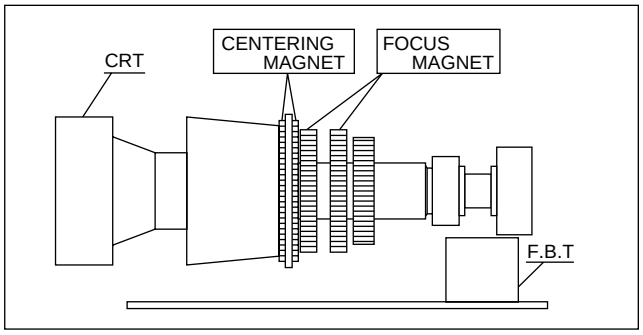


Fig. 3-3-1 E. VF

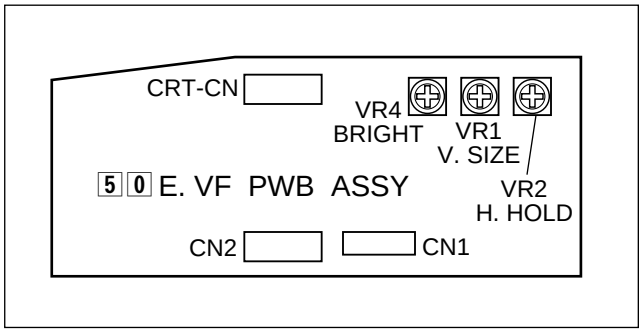


Fig. 3-3-2 E. VF board

3.3.1 Horizontal sync.

Subject	• Alignment tape • Stairstep
Mode	• PB
Equipment	• E. VF
Measurement point	• E. VF screen
Adjusting part	• VR2 (H. HOLD)
Specification	• The midpoint of the two markings

1) Observing the viewfinder screen, turn VR2 fully clockwise to make the picture unstable.
2) Slowly return VR2 counterclockwise to find a point where the picture becomes stable, and mark this position.
3) Turn VR2 fully counterclockwise to make the picture unstable in the same manner as 1) above.
4) Slowly return VR2 clockwise until the picture becomes stable, and mark this position.
5) Finally set VR2 to the midpoint between the two markings of 2) and 4).

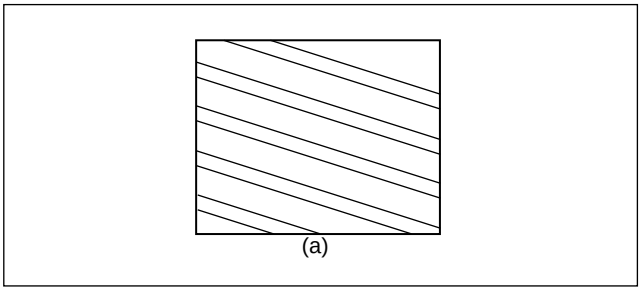


Fig. 3-3-3 Horizontal sync. 1

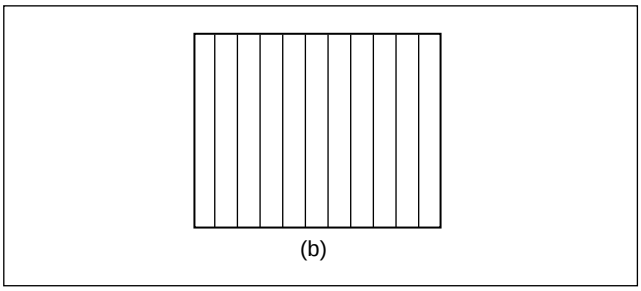


Fig. 3-3-4 Horizontal sync. 2

3.3.2 PLL adjustment

Subject	• Camera picture
Mode	• EE
Equipment	• E. VF
Measurement point	• E. VF screen
Adjusting part	• VR1 (V. SIZE)
Specification	• Normal picture amplitude

1) Observing the viewfinder screen, adjust VR1 for normal picture amplitude.

3.3.3 Centering

Subject	• Alignment tape • Stairstep
Mode	• PB
Equipment	• E. VF
Measurement point	• E. VF screen
Adjusting part	• Centering magnet (CRT assy)
Specification	• The center of the E. VF screen

1) While observing the viewfinder screen, adjust the centering magnet to locate the stairstep in the center of the viewfinder screen.

3.3.4 Focus

Subject	• Camera picture
Mode	• EE
Equipment	• E. VF
Measurment point	• E. VF screen
Adjustment part	• Focus magnet (CRT assy)
Specification	• The center area is clear and defined

1) While observing the viewfinder screen, adjust the focus magnet for the deflecting yoke so that the picture at the central area of the screen is clear and defined.

3.3.5 Brightness

Subject	• -
Mode	• EE • Lens closed
Equipment	• E. VF
Measurment point	• E. VF screen
Adjustment part	• VR4 (BRIGHT)
Specification	• The CRT raster is just barely visible

1) Close the lens with the cap and adjust VR4 so that the raster of the CRT is just visible in the E. VF.

MAIN ASS'Y

Symbol No. →	①		②		③									④			⑤		⑥			⑦ ⑧ ⑨			
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Place to stick screw →																									
Reference drawing →	Fig. C1		Fig. C2		Fig. C3									Fig C4			Fig. C5		Fig C6			Fig. C7			
screw tightening torque →	I																								

Symbol No. →	⑩															⑪	
Removing order of screw →	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Place to stick screw →																		
Reference drawing →	Fig. C8			Fig. C9				Fig. C10						Fig. C12			Fig. C13	
screw tightening torque →	II													III			IV	

DECK ASS'Y

Symbol No. →	①				②	③		④				⑤			
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Place to stick screw →															
Reference drawing →	Fig. D1				Fig. D2	Fig. D3		Fig. D4				Fig. D5			
screw tightening torque →	I							V	VI		I	VII			

OP BLOCK ASS'Y

Symbol No. →			
Removing order of screw →	1	2	3
Place to stick screw →			
Reference drawing →	Fig. 1-5-1		
screw tightening torque →	IV		

<NOTE>

- Pay careful attention to tightening torque for each screw.

I : 0.196±0.019N·m　II : 0.098±0.009N·m　III: 0.069±0.009N·m
IV: 0.118±0.019N·m　V : 0.127±0.012N·m　VI: 0.108±0.010N·m
VII: 0.186±0.019N·m

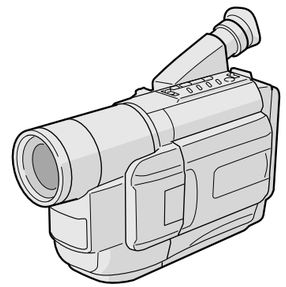
JVC

SCHEMATIC DIAGRAMS

COMPACT VHS CAMCORDER

GR-FXM37EG, SXM607EG/EK

CD-ROM No. SML200011



S-VHS C VHS PAL 625

Super VHS

Super VHS ET

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-SXM607EG/FXM37EG)*

Camcorder

General

Format : S-VHS (GR-SXM607)
VHS PAL standard

Power source : DC 11 V ⎓
(Using AC Adapter)
DC 6 V ⎓
(Using battery pack)

Power consumption
LCD monitor* off, viewfinder on : 4.0 W
LCD monitor* on, viewfinder off : 4.5 W
Video light** : 3.0 W

* Models equipped with LCD monitor only.
** GR-SXM607 only.

Signal system : PAL-type

Video recording system
Luminance : FM recording
Colour : Converted sub-carrier direct recording
Conforms to VHS standard

Cassette : S-VHS / VHS cassette

Tape speed
SP : 23.39 mm/sec.
LP : 11.70 mm/sec.

Recording time (max.)
SP : 60 minutes
LP : 120 minutes
(with EC-60 cassette)

Operating temperature : 0°C to 40°C

Operating humidity : 35% to 80%

Storage temperature : –20°C to 50°C

Weight : Approx. 910 g (GR-SXM607)
Approx. 900 g (GR-FXM37)

Dimensions (W x H x D) : 200 mm x 112 mm x 118 mm
* Models equipped with LCD monitor only.

Pickup : 1/4" format CCD

Lens : F1.6, f = 3.9 mm to 62.4 mm, 16:1 power zoom lens with auto iris and macro control, filter diameter 40.5 mm

Viewfinder : Electronic viewfinder with 0.5" black/white CRT

White balance adjustment : Auto/Manual adjustment

LCD monitor (models equipped with LCD monitor only) : 3" diagonally measured, LCD panel/TFT active matrix system (GR-SXM607)
: 2.5" diagonally measured, LCD panel/TFT active matrix system (GR-FXM37)

Speaker (models equipped with LCD monitor only) : Monaural

Connectors

JLIP/EDIT : ø3.5 mm, 4-pole, mini-head jack (compatible with RC-5325 plug)

Video : 1 V (p-p), 75 Ω unbalanced, analogue output
(via Video output connector)

Audio : 300 mV (rms), 1 kΩ analogue output
(via Audio output connector)

S-Video : **Y** : 1 V (p-p), 75 Ω, analogue output
C : 0.29 V (p-p), 75 Ω, analogue output

AC Adapter AP-V10EG

Power requirement : AC 110 V to 240 V∿, 50 Hz/60 Hz

Power consumption : 23 W

Output : DC 11 V ⎓, 1 A

Dimensions (W x H x D) : 59 mm x 31 mm x 84 mm

Weight : Approx. 140 g

Optional Accessories

- **Battery Packs BN-V12U, BN-V20U, BN-V400U**
- **Compact S-VHS (S-VHS C) Cassettes SE-C45/30**
- **Compact VHS (VHS C) Cassettes EC-60/45/30**
- **Remote Control Unit RM-V700U**
- **Active Carrying Bag CB-V7U**
- **Cassette Adapter C-P7U**

Some accessories are not available in some areas. Please consult your nearest JVC dealer for details on accessories and their availability.

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

JVC
VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

Printed in Japan

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November 2000

SECTION 4
CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

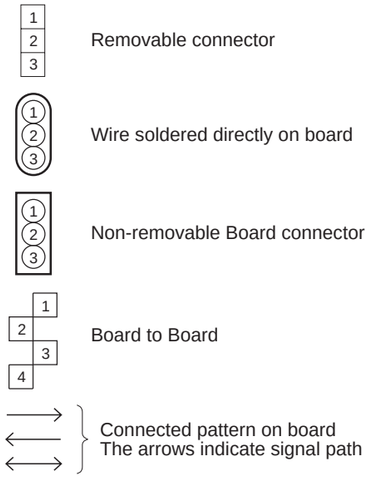
1) All resistance values are in ohm, 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

AUX : Active at high

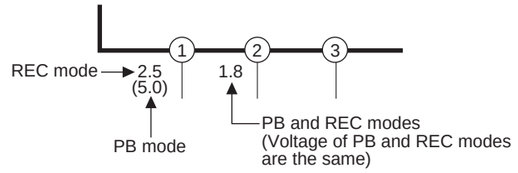
$\overline{\text{AUX}}$ or AUX(L) : Active at low

3. Interpreting Connector indications



4. Voltage measurement

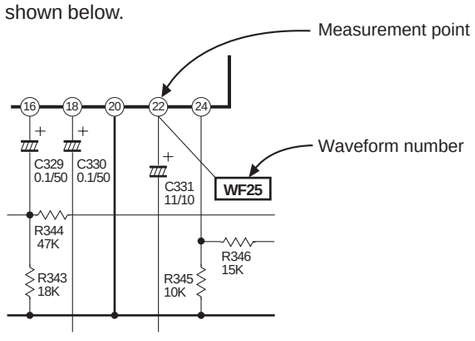
1) Video circuits
   REC : Colour bar signal in SP mode, normal VHS mode
   PB : Alignment tape, colour bar SP mode, normal VHS mode
   — : Unmeasurable or unnecessary to measure
2) Audio circuits
   REC : 1KHz, –8 dBs sine wave signal in SP mode, Normal VHS mode
   PB : REC then playback it
3) Movie Camera circuits
   Measured using a correctly illuminated gray scale or colour bar test chatrs in the E-E mode
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.



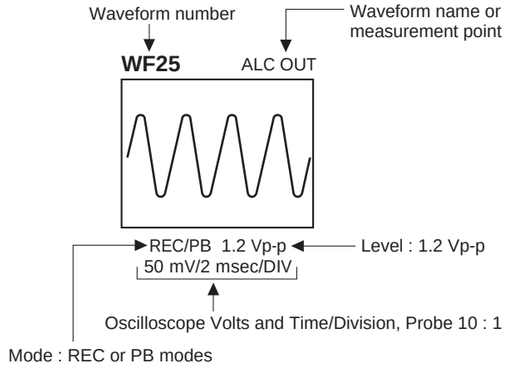
Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Waveform measurement

1) Video circuits
   REC : Colour bar signal in SP mode, normal VHS mode
   PB : Alignment tape, colour bar SP mode, normal VHS mode
2) Audio circuits
   REC : 1KHz, –8 dBs sine wave signal in SP mode, normal VHS mode
   PB : REC then playback it
3) Movie Camera circuits
   Measured using a correctly illuminated gray scale or colour bar test chatrs in the E-E mode
4) Indication on schematic diagram
   Waveform indications on the schematic diagram are as shown below.

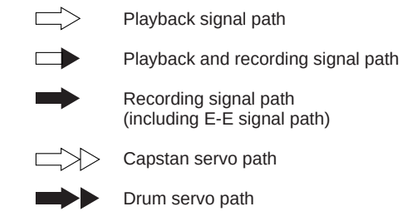


5) Waveform indications



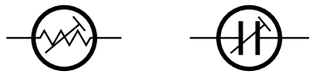
6. Signal path Symbols

The arrows indicate the signal path as follows.



7. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



8. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

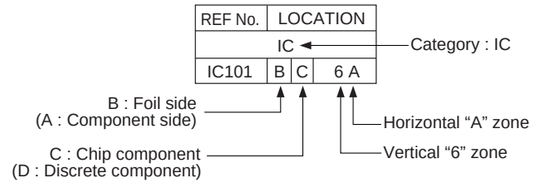
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

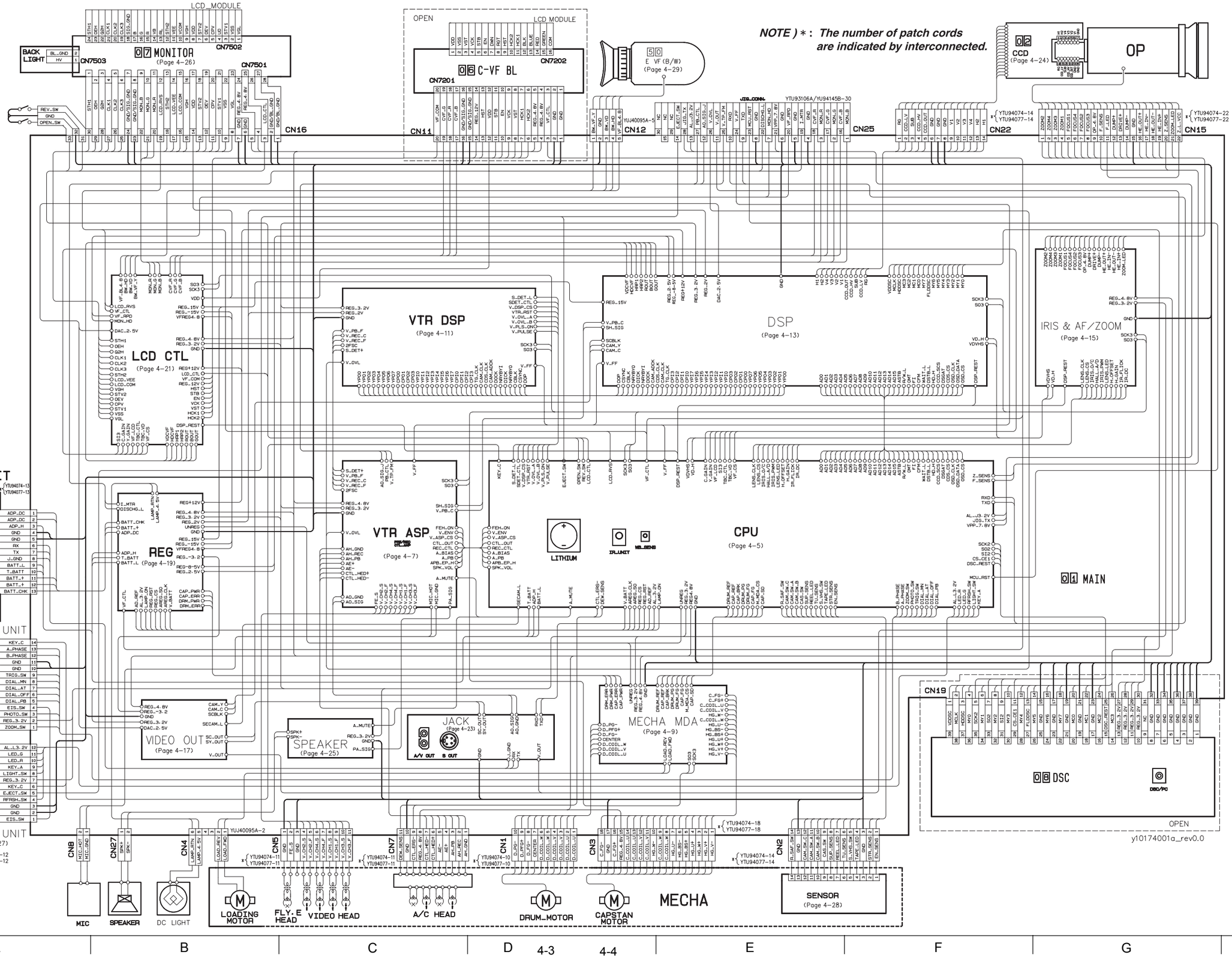
2. Parts location guides

Parts location are indicated by guide scale on the circuit board.



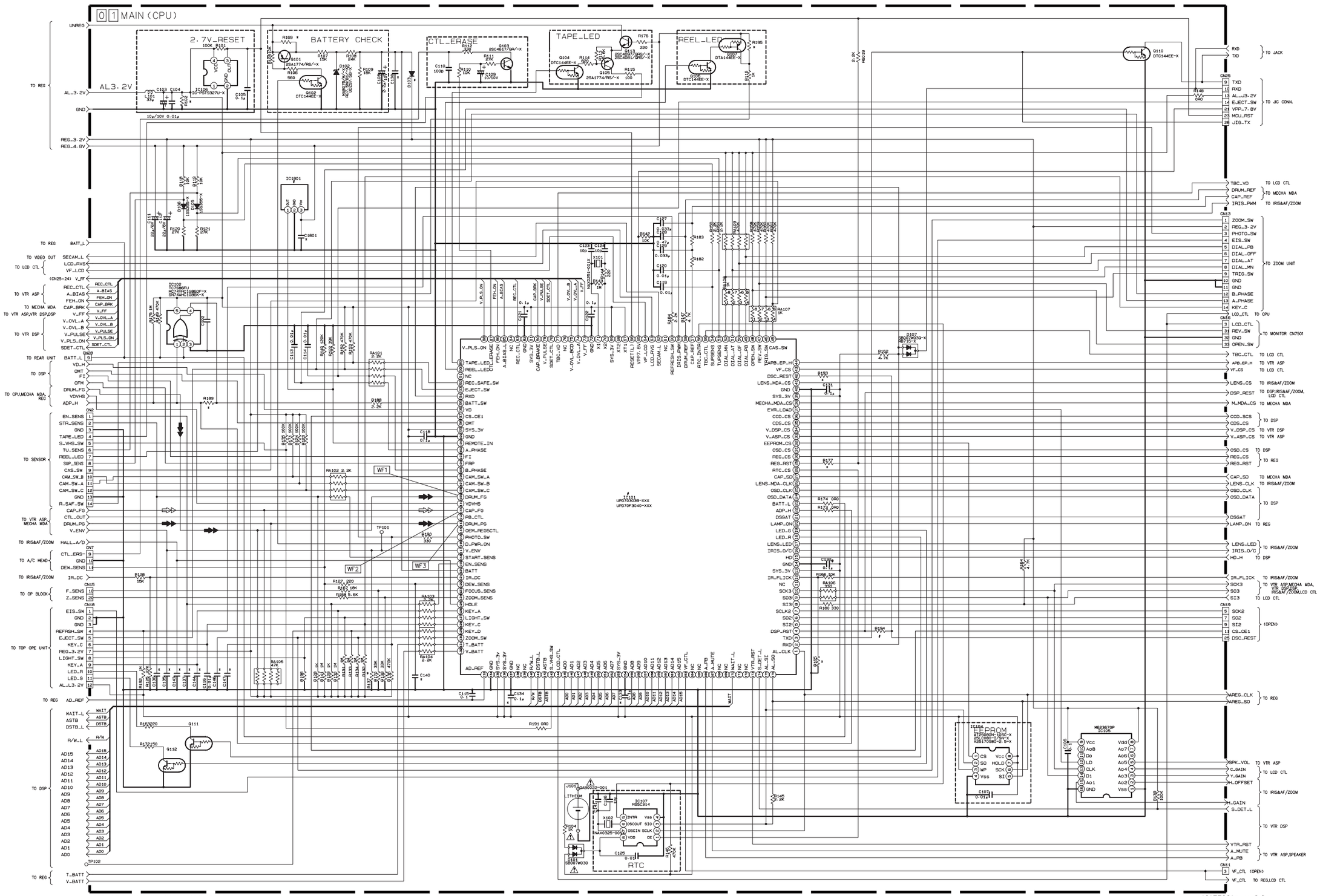
Note:
For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

4.1 BOARD INTERCONNECTIONS



4.2 CPU SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



NOTES : 1.THE PARTS WITH MARKED (*) IS NOT USED.
2. For CPU waveforms, please refer to page 4-55.

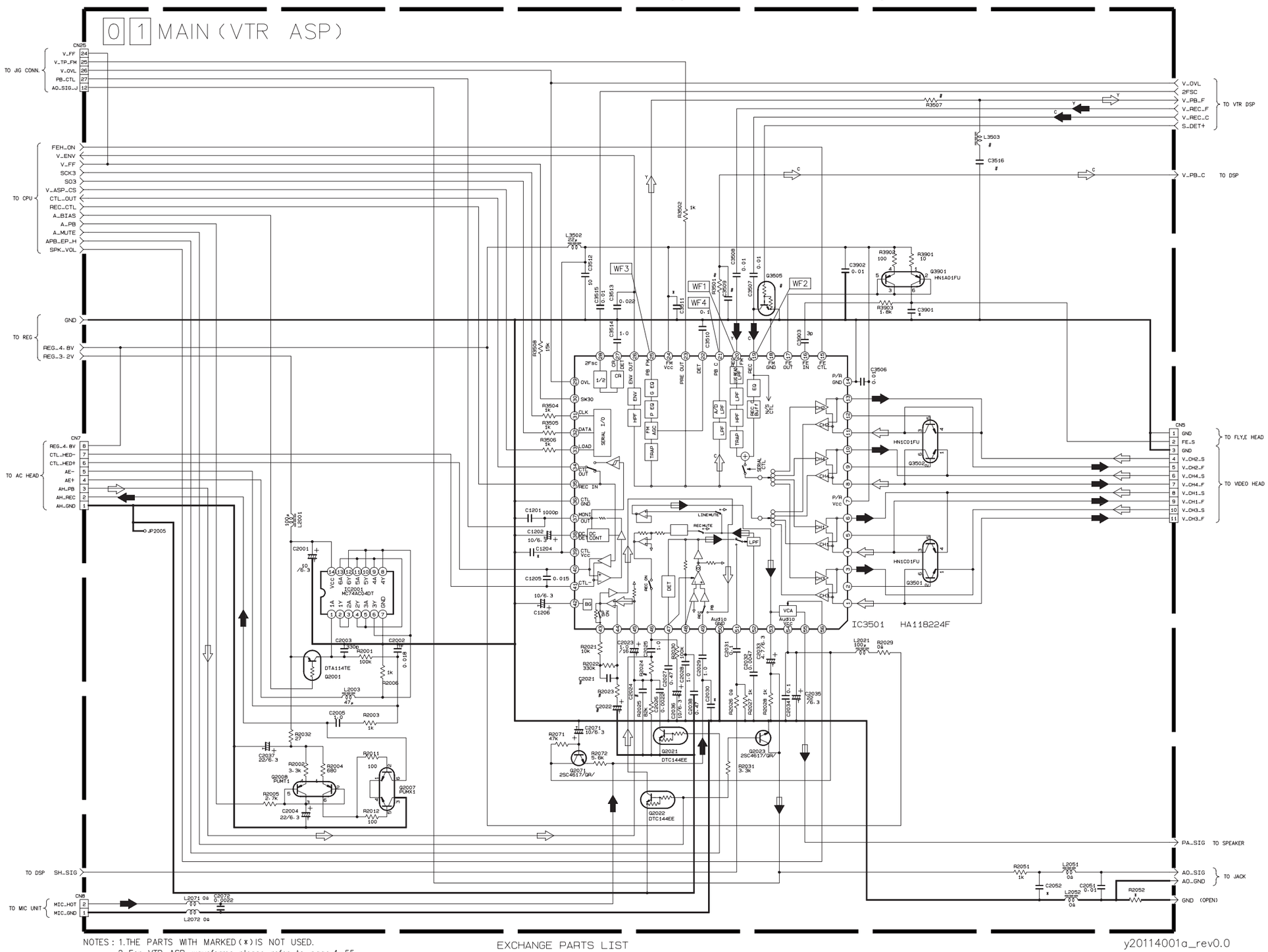
IC101	
MODEL	ROM_No
PAL picture element low	-026
PAL others	-027
NTSC JVC	-028
NTSC RCA JVC	-029

REMOCON	YES	NO
IC1801	PIC-260435	*

DSC	YES	NO
R194	GRD	*

4.3 VTR ASP SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



NOTES : 1.THE PARTS WITH MARKED (x) IS NOT USED.
2. For VTR ASP waveforms, please refer to page 4–55.

EXCHANGE PARTS LIST

[VIDEO]

	VHS MODEL	SVHS MODEL
Q3505	x	DTC144 EE

	NTSC	PAL
R3507	0	100
L3503	x	5.6
C3516	x	10p
R3501	0	220
C3509	x	220p

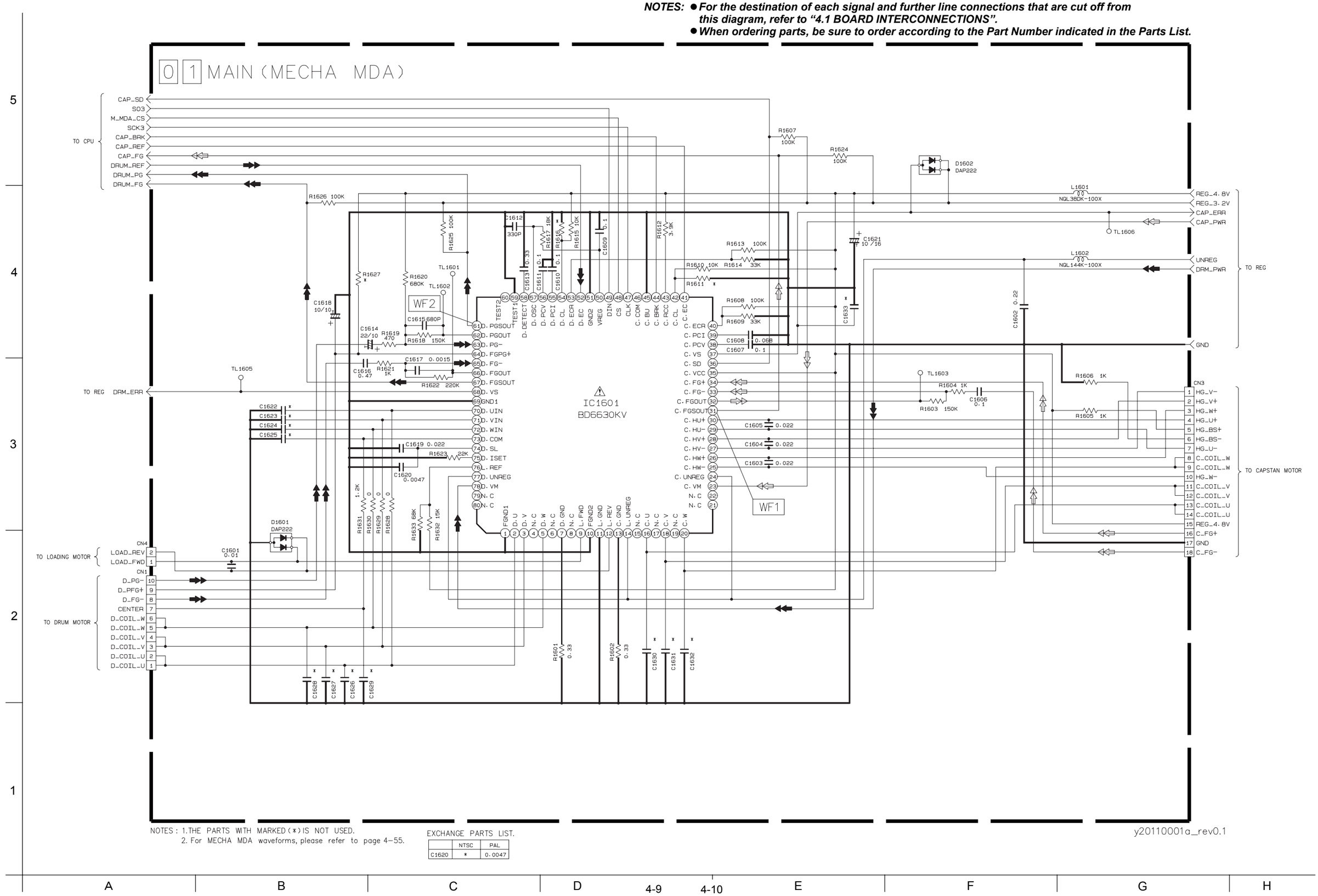
[AUDIO]

	NTSC	PAL
R2023	150	82
R2024	13k	18k
C2021	0.0068	0.01
C2022	10μ/6.3	15μ/6.3
C2024	0.0012	0.001

x ... NO WEAR

4.4 MECHA MDA SCHEMATIC DIAGRAM

NOTES: ***● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



NOTES : 1.THE PARTS WITH MARKED (*) IS NOT USED.
2. For MECHA MDA waveforms, please refer to page 4–55.

EXCHANGE PARTS LIST.

	NTSC	PAL
C1620	*	0.0047

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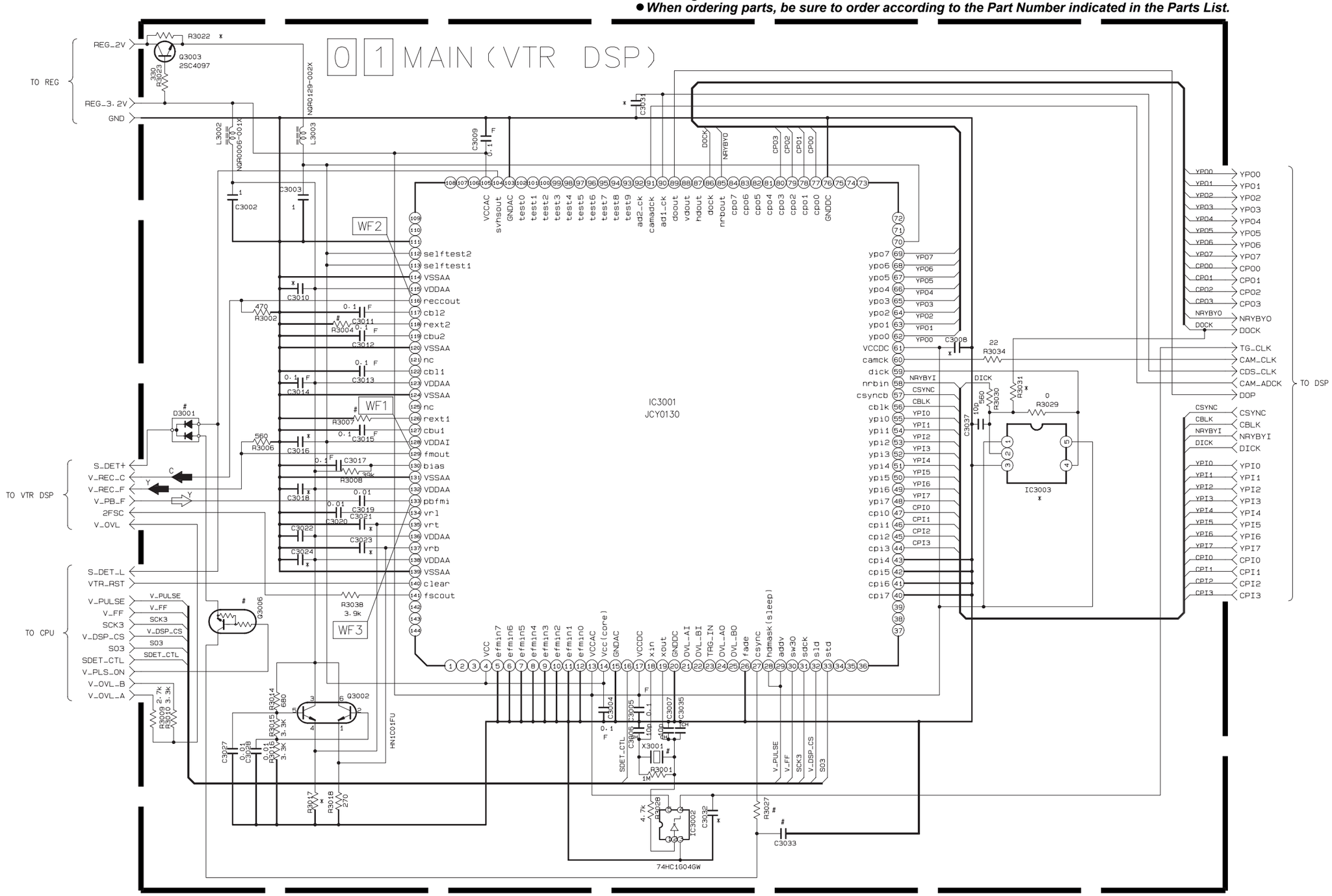
4.5 VTR DSP SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



NOTES : 1.THE PARTS WITH MARKED (*) IS NOT USED.
2. For VTR DSP waveforms, please refer to page 4-55.

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EXCHANGE PARTS LIST

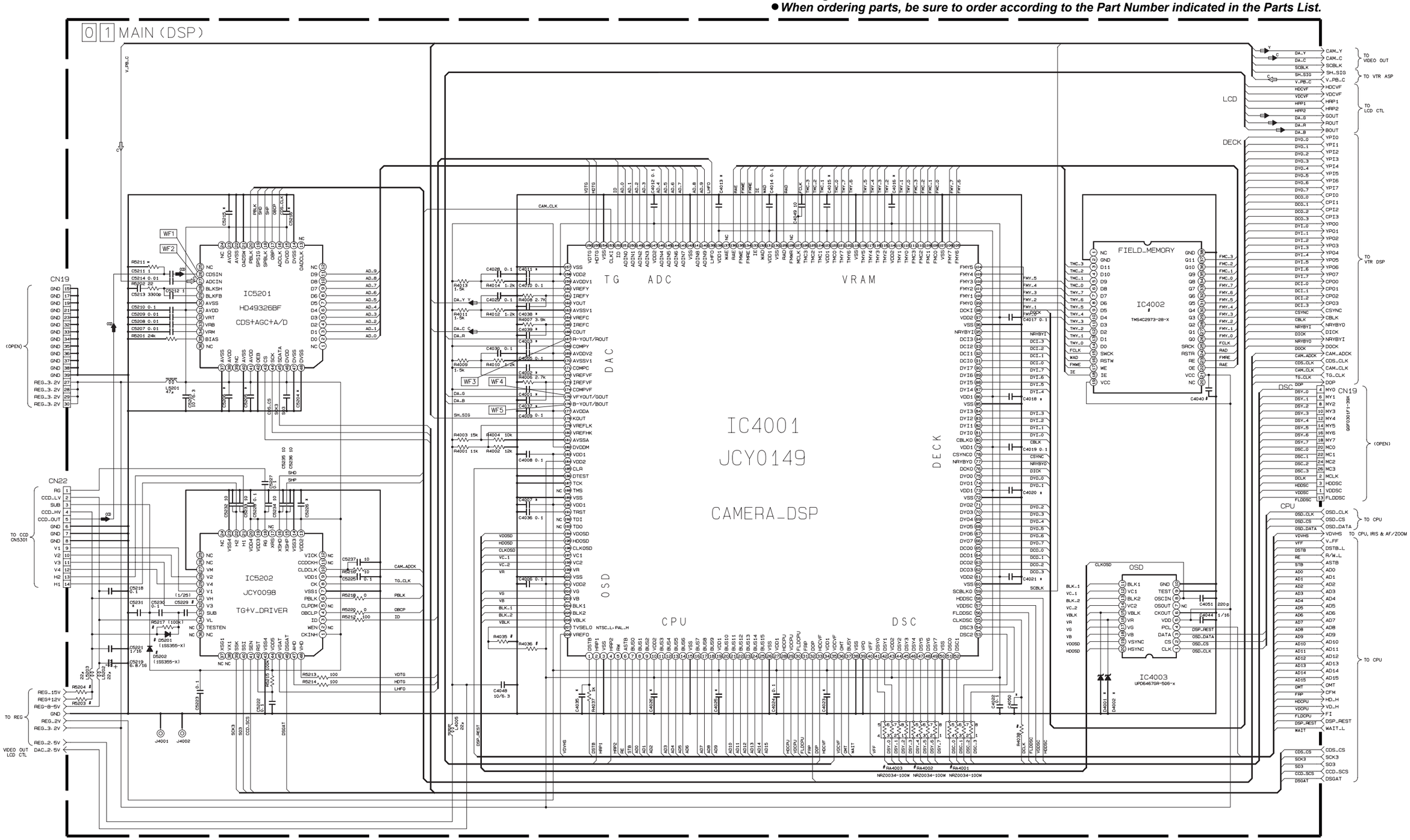
	PAL	NTSC
X3001	QAX0596-001 or QAX0609-001	QAX0565-001 or QAX0608-001
R3004	33k	27k
R3007	18k	15k

	VHS MODEL	SVHS MODEL
D3001	*	DAN222
Q3006	*	DTC144EE
R3027	*	10k
C3033	*	0.1

*... NO WEAR

4.6 DSP SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



NOTES : 1.THE PARTS WITH MARKED (*) IS NOT USED.
2. For DSP waveforms, please refer to page 4-55.

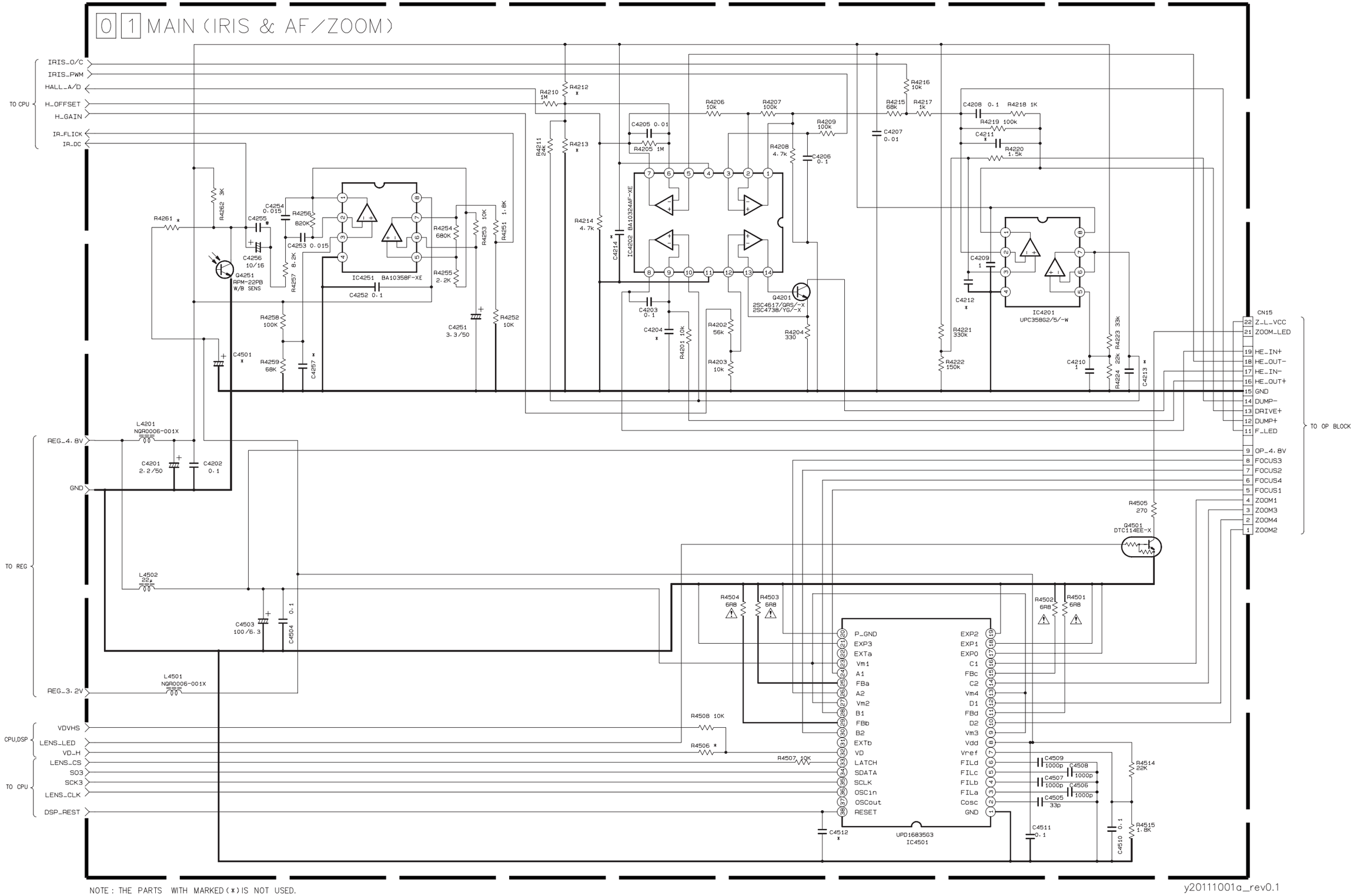
EXCHANGE PARTS LIST

	CCD	R4035	R4036	R5203	R5204	D5201	D5202	R5217	C5229
NTSC_L	TCD5621P	0	*	*	0	*	1SS355-X	*	0
	MN391132FT	0	*	*	0	1SS355-X	*	100K	1/25
PAL_L	MN372132FT	*	0	*	0	1SS355-X	*	100K	1/25
	ICX227AK	*	0	0	*	1SS355-X	*	100K	1/25
PAL_H	MN39241FT	*	0	*	0	1SS355-X	*	100K	1/25
	ICX229AK	*	0	0	*	1SS355-X	*	100K	1/25

	IC4002	C4040	R4038	RA4001	RA4002	RA4003
M:#6	*	*	*	*	*	*
M:#7	TMS4C2973-28-X	1	*	*	*	*
M:#8	TMS4C2973-28-X	1	100	NRZ0034-100W	NRZ0034-100W	NRZ0034-100W

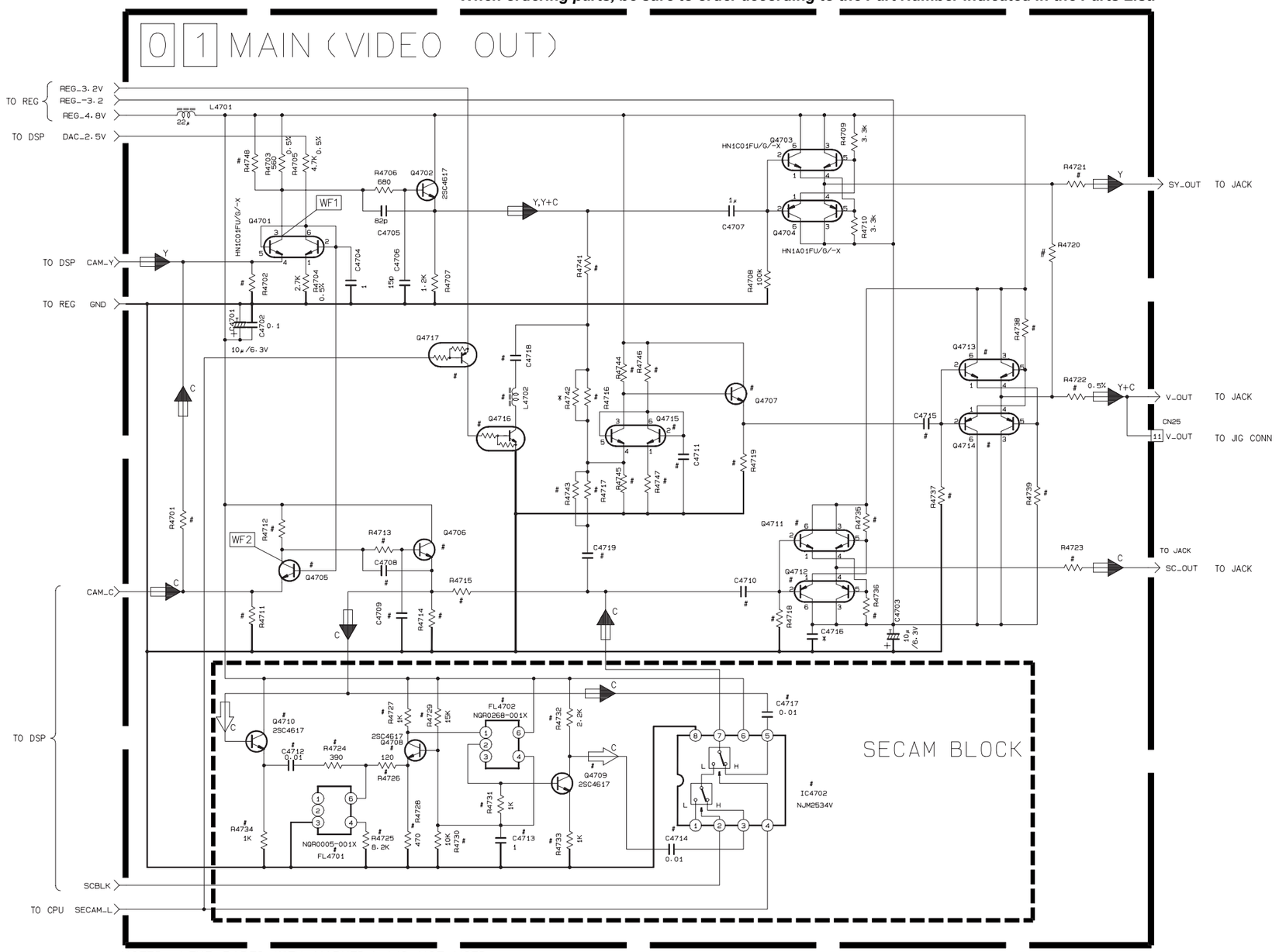
4.7 IRIS & AF/ZOOM SCHEMATIC DIAGRAM

NOTES: ***● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.8 VIDEO OUT SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



NOTES : 1.THE PARTS WITH MARKED (*) IS NOT USED.
2.For VIDEO OUT waveforms, please refor to page 4-55.

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EXCHANGE PARTS LIST

	R4711	R4712	R4713	R4714	C4708	C4709	Q4705	Q4706	R4721	C4710	R4718	R4735	R4736	Q4711	Q4712	R4723	R4741	R4715	C4716	R4717	C4719	R4744	R4745	R4746	R4747	Q4715	C4711	Q4707	R4719	C4715	R4737	Q4713	Q4714	R4738	R4739
VHS MODEL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SVHS MODEL	150	510 0.5%	680	1.2k	82p	15p	2SC 4617	2SC 4617	75 0.5%	0.01	100k	3.3k	3.3k	HN1C 01FU	HN1A 01FU	68 0.5%	1.5k 0.5%	560 0.5%	620 0.5%	2.2k 0.5%	0.01	2.2k 0.5%	470	2.2k 0.5%	470 0.5%	HN1C 01FU	1	2SC 4617	2.2K	1	100K	HN1C 01FU	HN1A 01FU	3.3K	3.3K

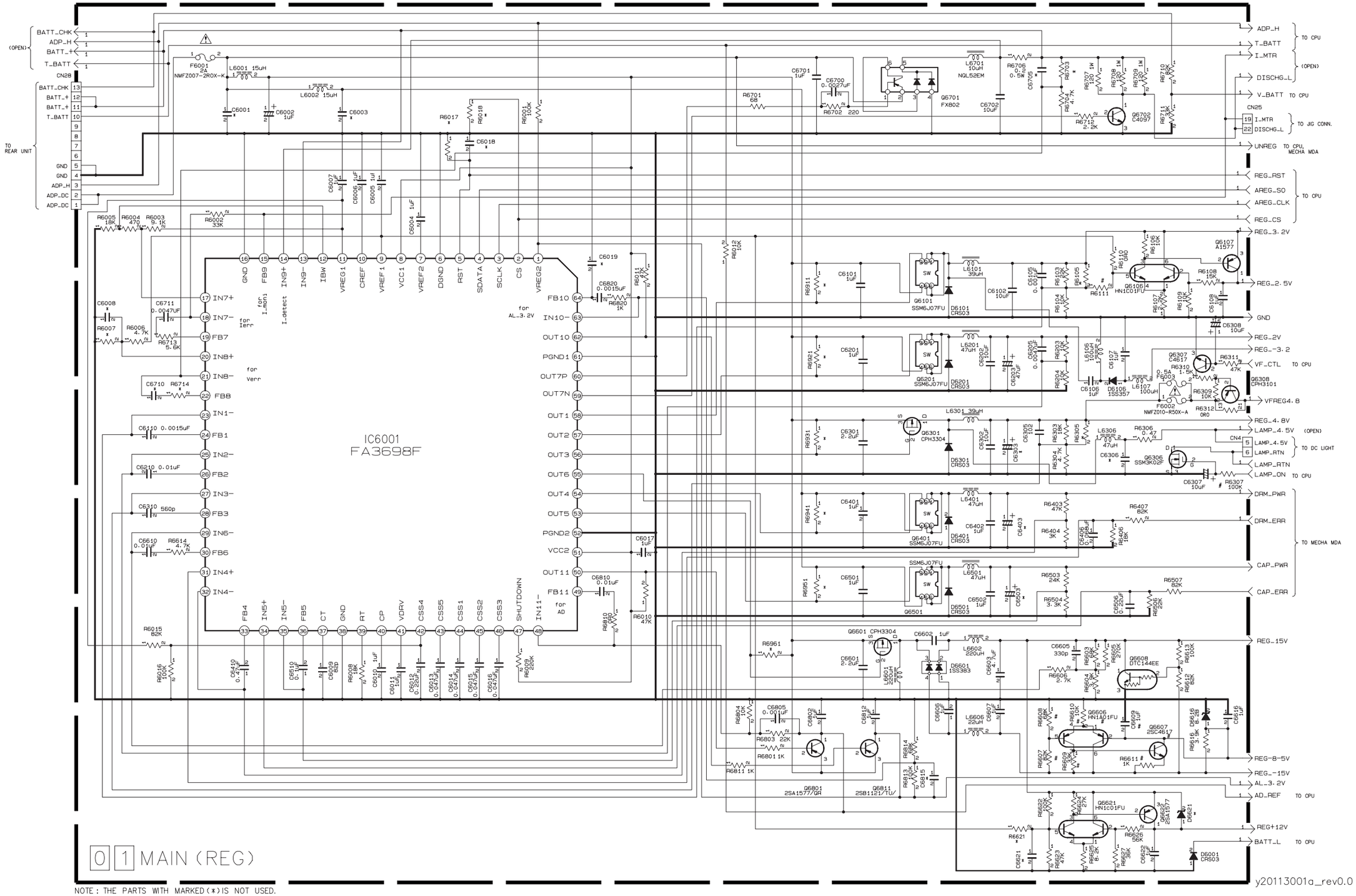
	R4715	Q4716	Q4717	L4702	C4718	SECAM BLOCK
VHS MODEL	*	*	*	*	*	*
SVHS EG MODEL	*	DTC144 EE	DTA144 EE	56	24p	○
SVHS OTHER MODEL	0Ω	*	*	*	*	*

	R4701	R4702	R4720	R4722	R4743	R4748
VHS MODEL PAL	0Ω	75	0Ω	75 0.5%	*	33K 0.5%
VHS MODEL NTSC	↑	↑	↑	↑	↑	*
SVHS MODEL PAL	*	100	*	68 0.5%	15K 0.5%	0Ω
SVHS MODEL NTSC	↑	↑	↑	↑	22K 0.5%	↑

*. . . NO WEAR

4.9 REGULATOR SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



NOTE : THE PARTS WITH MARKED (*) IS NOT USED.
EXCHANGE LIST

1. LIGHT YES OR NO

LIGHT	YES	NO
Q6306	exist	open
L6306	exist	open
C6307	exist	open
R6306-6307	exist	open

2. LCD YES OR NO

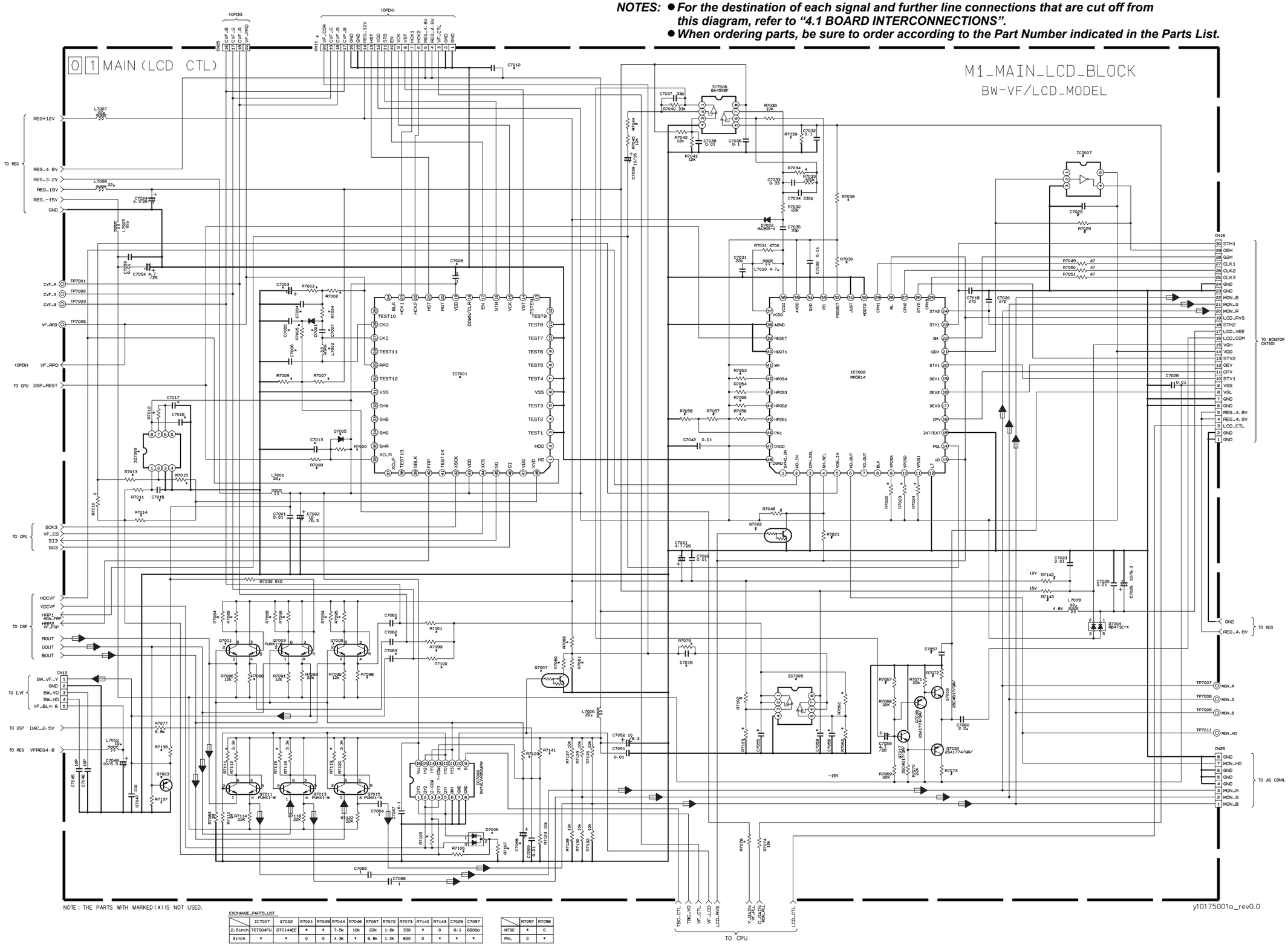
LCD	YES	NO
Q6307-6308	exist	open
R6309-6311	exist	open
C6308	exist	open
R6312	open	0R0

3. CCD VOLTAGE

CCD VOLTAGE	PAL		NTSC
picture elements	LOW	others	
memory	NO		
D6616	8.2V	5.1V	8.2V

4.10 LCD CTL SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



EXCHANGE_PARTS_LIST

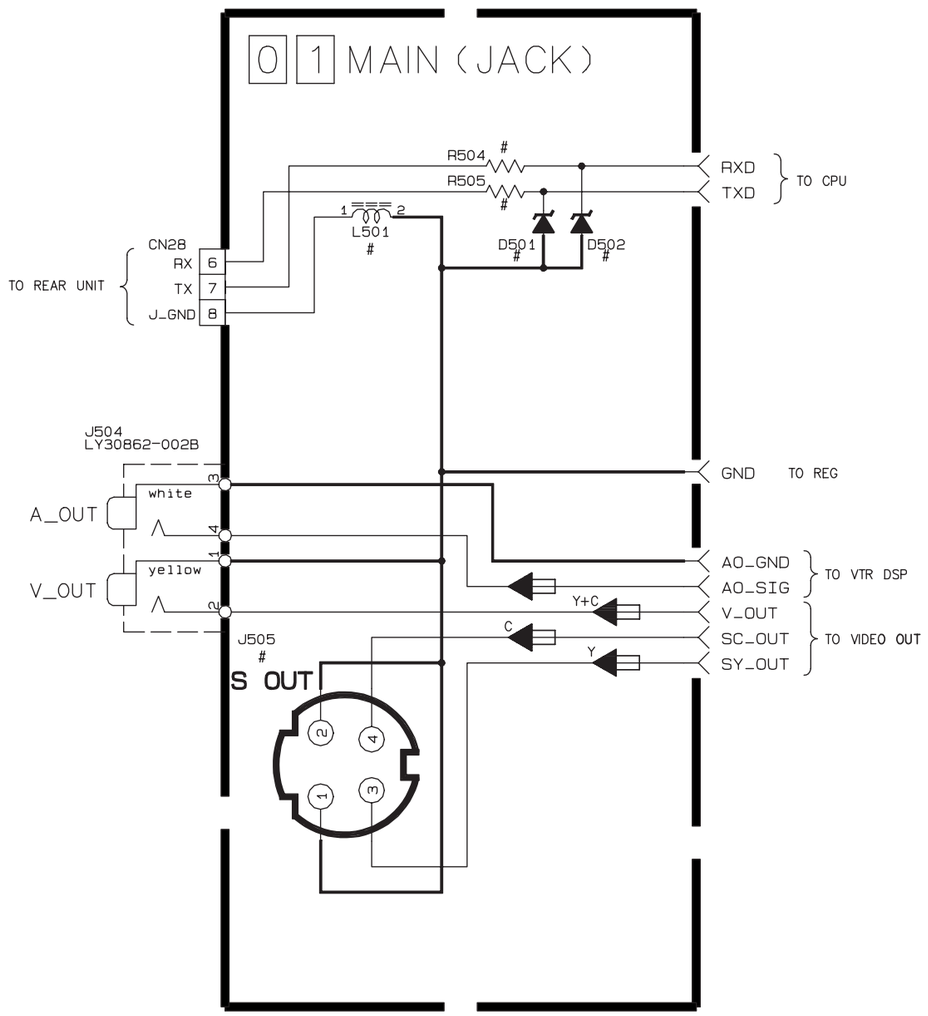
	IC7007	Q7022	R7021	R7029	R7044	R7046	R7067	R7072	R7073	R7142	R7143	C7029	C7057
2.5inch	TC7S04FU	DTC144EE	*	*	7.5k	10k	22k	1.8k	330	*	0	0.1	6800p
3inch	*	*	0	0	4.3k	*	6.8k	1.2k	820	0	*	*	*

	R7057	R7058
NTSC	*	0
PAL	0	*

4.11 JACK AND CCD SCHEMATIC DIAGRAMS

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

— JACK —



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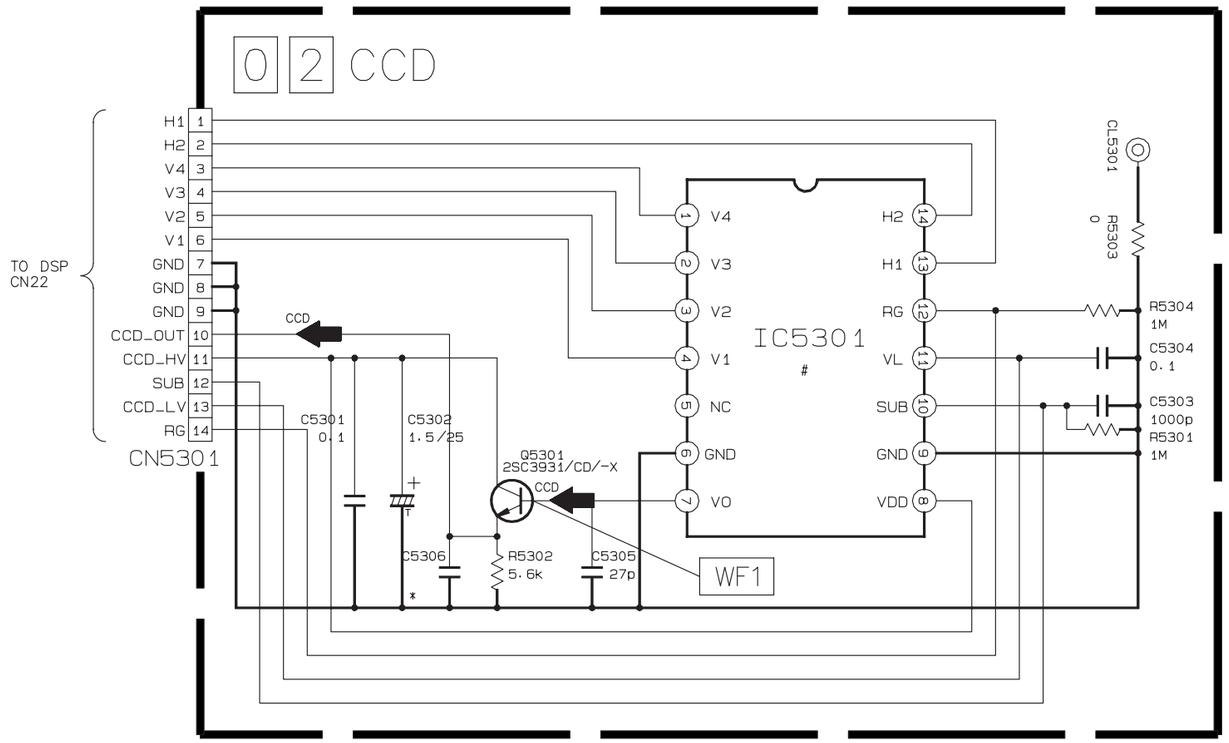
— CCD —

Note: IC5301 is incorporated in the CCD base assembly. When IC5301 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.



NOTES : 1.THE PARTS WITH MARKED (*) IS NOT USED.
2. For CCD waveform, please refer to page 4–55.

y40065001a_rev0.1

EXCHANGE PARTS LIST

	JLIP-MODEL	NON JLIP-MODEL
L501	NQR0129-002	*
D501	MA8068-X	*
D502	MA8068-X	*
R504	NRSA63J-221X	*
R505	NRSA63J-331X	*

	S-VHS MODEL	N-VHS MODEL
J505	QND0078-001	*

*:NO WEAR

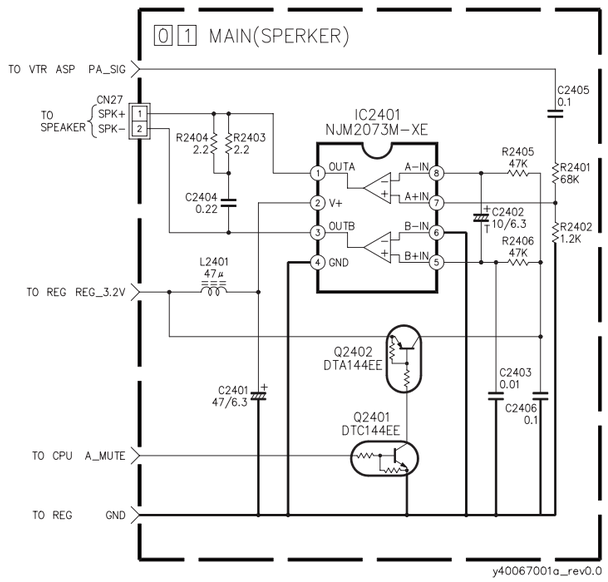
EXCHANGE PARTS LIST

MODEL	CCD PWB ASSY	IC5301	R5301	R5304	C5303	CCD_HV	CCD_LV
NTSC-L	YB20899C-##	TCD5621P	*	*	*	15V	-8V
NTSC-L	YB20899B-##	MN39117FT	1M	*	1000p	15V	-8V
PAL-L	YB20899A-##	MN372132FT	1M	1M	1000p	15V	-8V
PAL-L	YB20899A-##	ICX227AK	1M	1M	1000p	12V	-5V
PAL-H	YB20899A-##	MN39241FT	1M	1M	1000p	15V	-8V
PAL-H	YB20899A-##	ICX229AK	1M	1M	1000p	12V	-5V

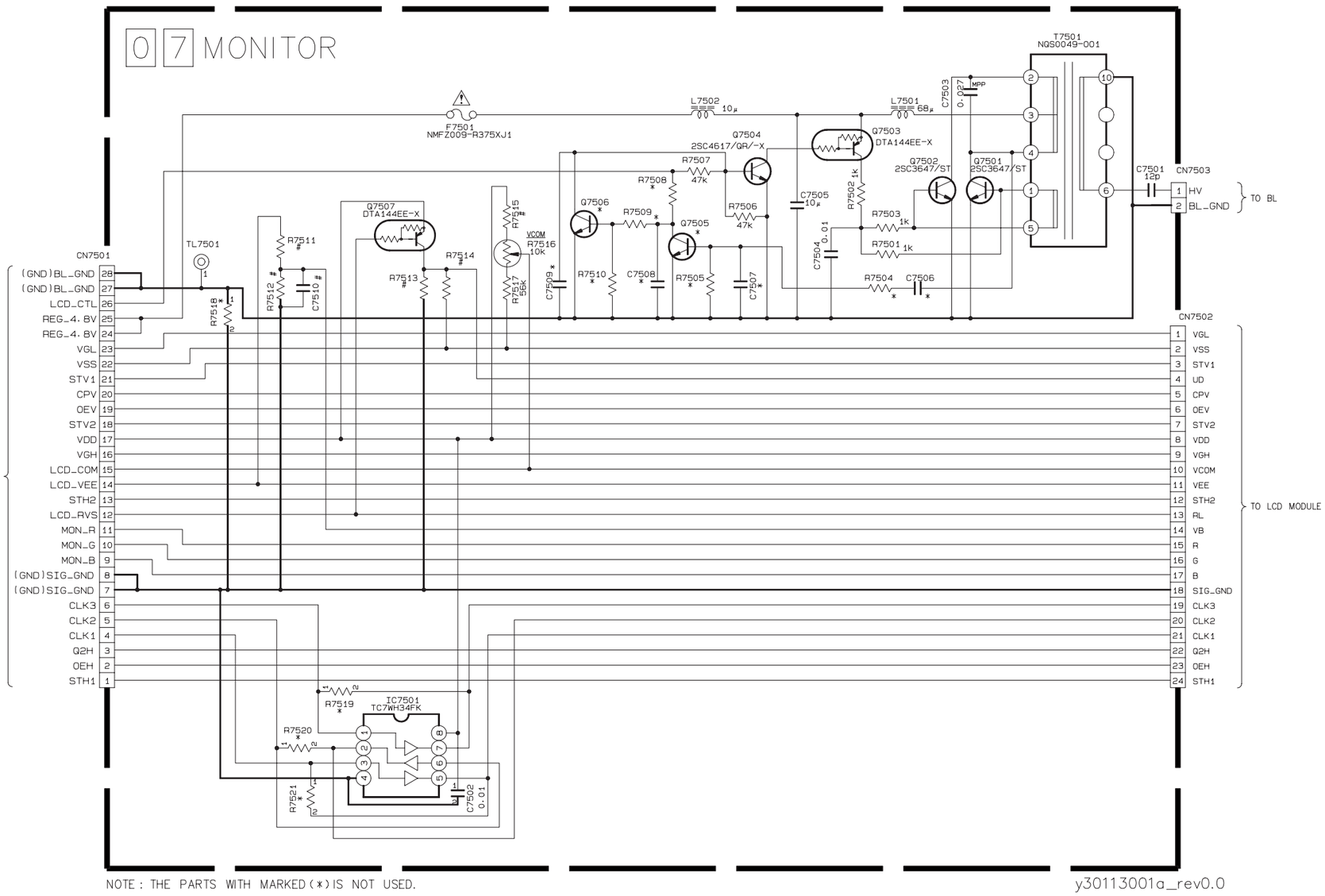
4.12 SPEAKER AND MONITOR SCHEMATIC DIAGRAMS

NOTES: ***● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

— SPEAKER —



— MONITOR —



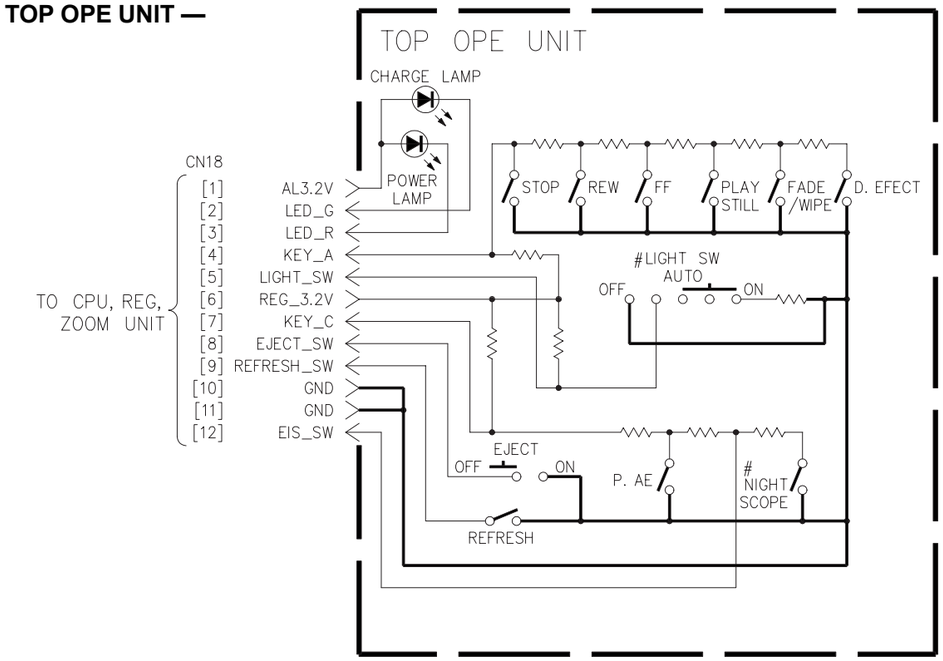
EXCHANGE_PARTS_RIST

	R7511	R7512	R7513	R7514	R7515	C7510
2.5inch	*	*	10k	*	3k	*
3inch	22k	22k	*	33k	5.6k	0.01

4.13 TOP OPE UNIT, ZOOM UNIT, REAR UNIT AND SENSOR SCHEMATIC DIAGRAMS

NOTES:
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.*

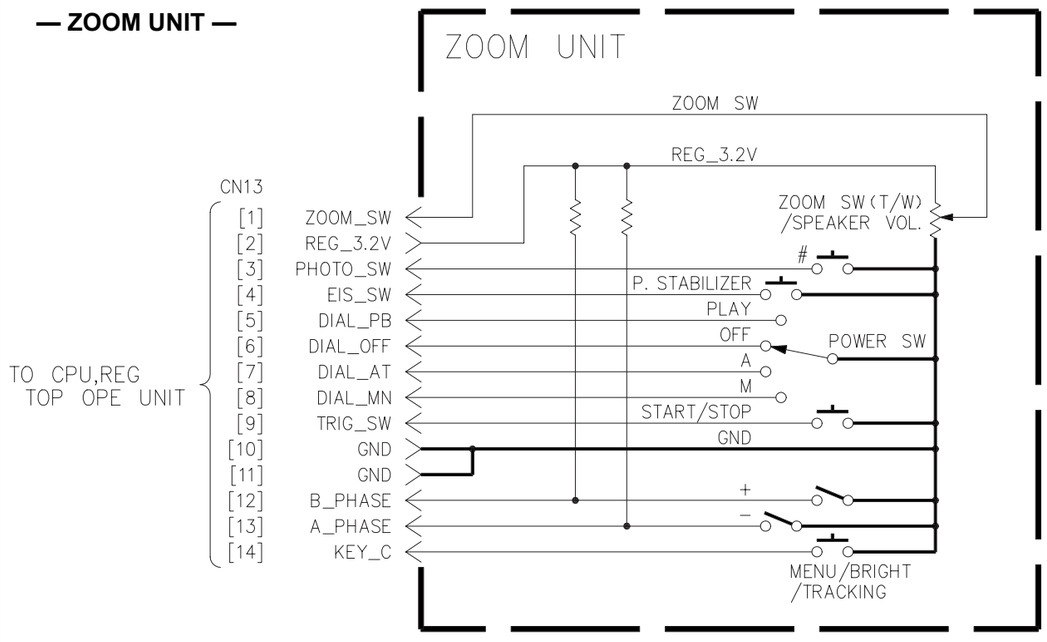
— TOP OPE UNIT —



NOTE : COMPARISION CHART OF MODELS & MARKS (#).

FUNCTION \ MODELS	GR-FXM37	GR-SXM607
LIGHT SW	NOT USED	USED
NIGHT SCOPE	NOT USED	USED

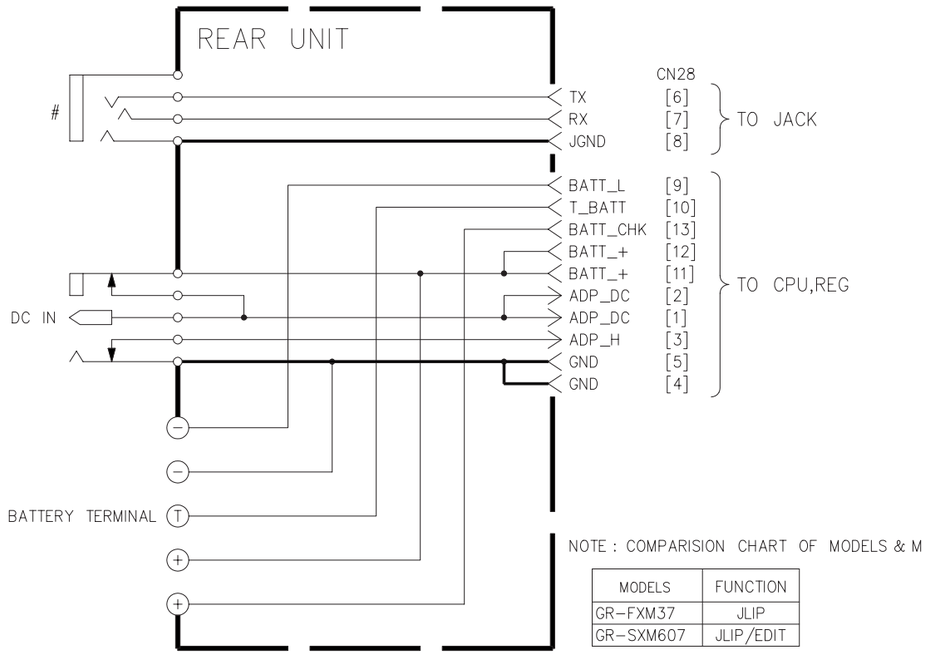
— ZOOM UNIT —



NOTE : COMPARISION CHART OF MODELS & MARKS (#).

MODELS	FUNCTION
GR-FXM37	5 SEC REC
GR-SXM607	SNAP SHOT

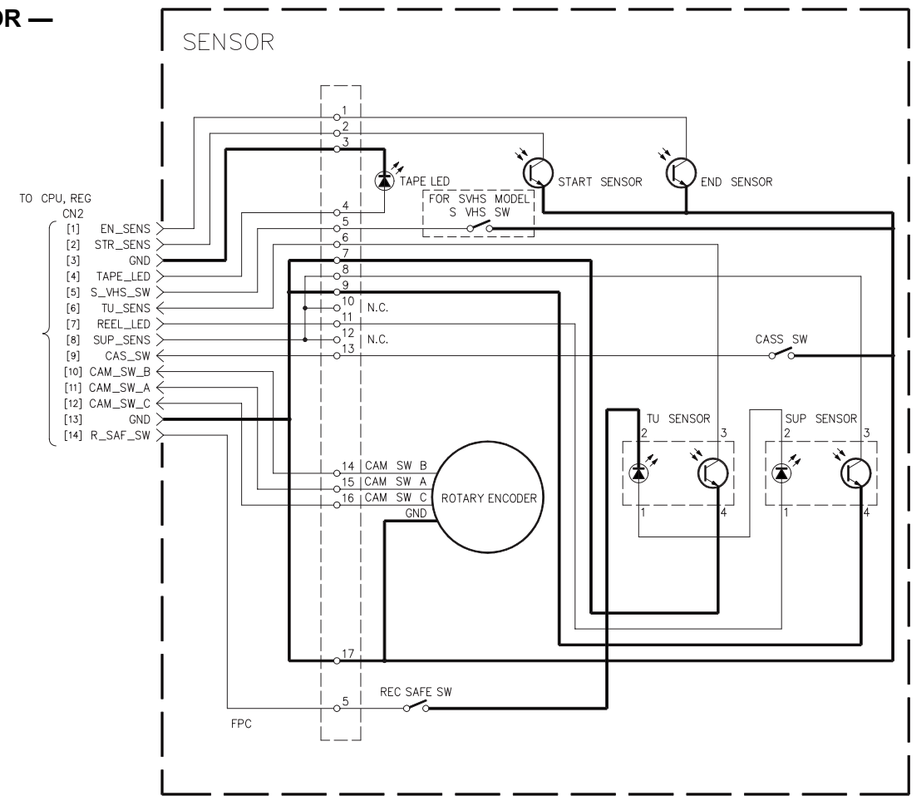
— REAR UNIT —



NOTE : COMPARISION CHART OF MODELS & M

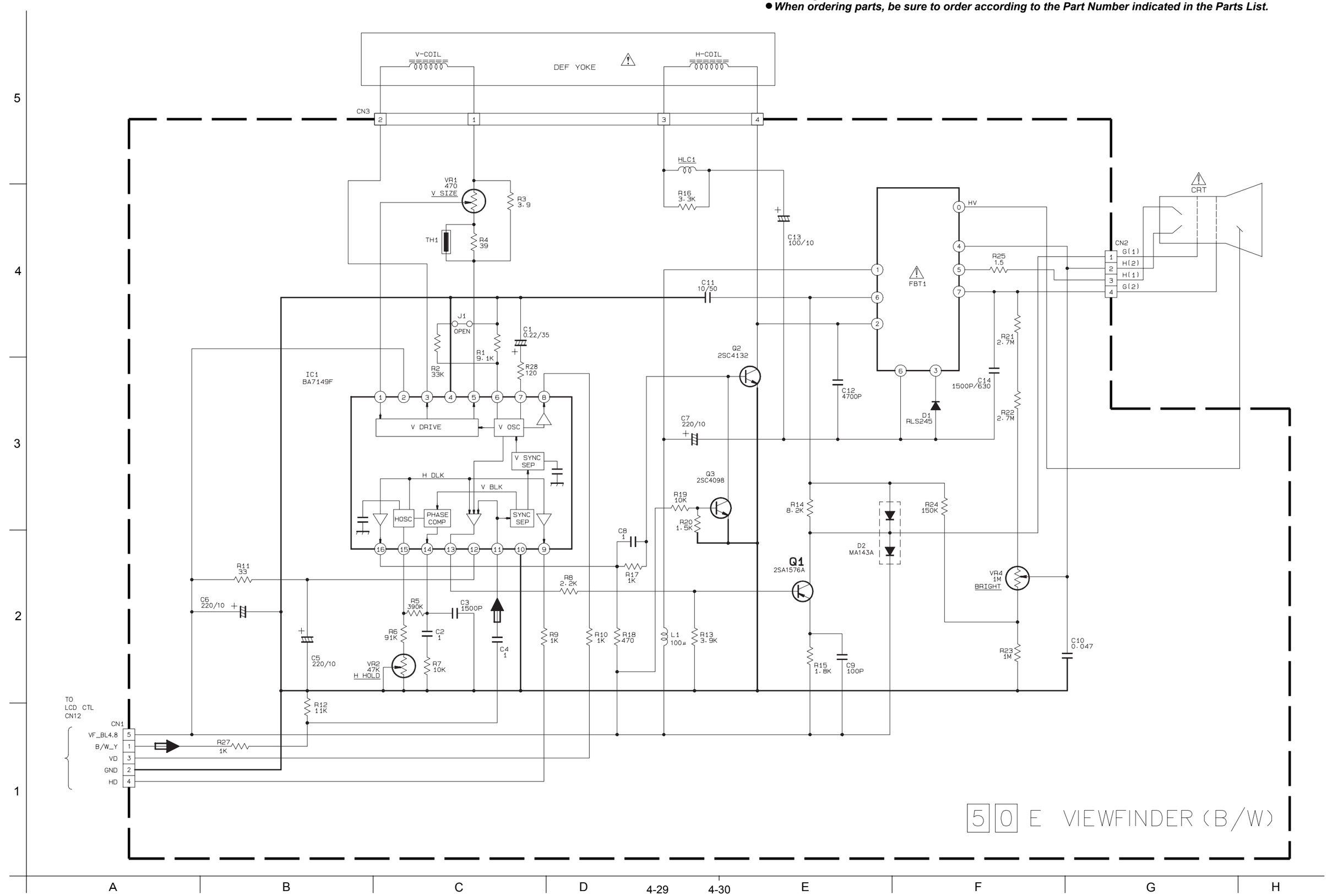
MODELS	FUNCTION
GR-FXM37	JLIP
GR-SXM607	JLIP/EDIT

— SENSOR —



4.14 ELECTORNIC VIEWFINDER SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



4.15 MAIN CIRCUIT BOARD

FOIL SIDE (B)

01 MAIN PWB
YB10310-01-01

COMPONENT PARTS LOCATION GUIDE <MAIN > YB10310-01-01

REF.NO.	LOCATION
CAPACITOR	
C102	A C 5B
C103	A C 4B
C104	A C 5B
C105	B C 5A
C106	B C 7B
C107	B C 6A
C108	B C 7A
C109	A C 6B
C110	A C 6C
C111	A C 6A
C112	A C 6A
C113	A C 4D
C114	A C 4D
C115	A C 6B
C116	B C 4D
C118	B C 6A
C119	B C 2A
C120	B C 2A
C121	A C 6A
C122	B C 6A
C123	A C 6A
C124	A C 6A
C125	B C 6A
C126	B C 7A
C127	B C 5A
C128	B C 6A
C129	B C 5A
C131	A C 5A
C132	B C 5B
C133	A C 5B
C134	B C 6B
C135	A C 6B
C136	A C 2A
C137	A C 1A
C138	B C 7A
C140	B C 6B
C141	B C 7A
C143	B C 7C
C144	B C 4D
C146	A C 4D
C147	A C 4D
C1201	A C 4A
C1202	B C 4B
C1204	B C 4B
C1205	B C 5B
C1206	B C 5B
C1601	B C 7D
C1602	A C 7D
C1603	B C 6D
C1604	B C 6D
C1605	B C 6D
C1606	A C 7D
C1607	B C 6E
C1608	B C 6E
C1609	B C 7E
C1610	A C 7E
C1611	A C 7E
C1612	B C 7E
C1613	A C 7E
C1614	A C 7E
C1615	A C 7D
C1616	B C 7D
C1617	B C 7D
C1618	A C 7D
C1619	B C 7D
C1620	B C 7D
C1621	B C 6D
C1622	A C 7D
C1623	A C 7D
C1624	A C 7D
C1625	A C 7D
C1626	A C 7D
C1627	A C 7D
C1628	A C 7D
C1629	A C 7D
C1630	A C 7D
C1631	A C 6D
C1632	A C 6D
C1633	B C 6E
C1801	B C 7D
C2001	B C 6D
C2002	B C 6C
C2003	B C 6C
C2004	A C 6D
C2005	B C 6C
C2021	B C 5A
C2022	B C 5A
C2023	B C 5A
C2024	B C 5A
C2025	B C 5A
C2026	B C 5A
C2027	B C 5A
C2028	B C 5A
C2029	A C 5A
C2030	A C 5A
C2031	B C 5A
C2032	B C 5A
C2033	A C 4A
C2034	B C 5A
C2035	B C 5A
C2036	B C 5A
C2037	A C 6D
C2038	B C 5A
C2051	B C 1C
C2052	B C 1C
C2071	B C 5A
C2072	A C 5A
C2401	A C 6C
C2402	A C 6C
C2403	A C 6C
C2404	B C 6B
C2405	B C 6C
C2406	B C 6C
C3002	B C 4C
C3003	B C 4C
C3004	B C 4C
C3005	A C 3C
C3006	B C 4C
C3007	B C 4B
C3008	A C 5D
C3009	A C 4D
C3010	B C 4C
C3011	A C 3C
C3012	A C 3C
C3013	A C 3C
C3014	B C 4C
C3015	A C 3C
C3016	B C 4C
C3017	B C 4C
C3018	B C 4C
C3019	A C 3C
C3020	A C 3C
C3021	B C 4C
C3022	B C 4C
C3023	B C 4C
C3024	B C 4C
C3027	B C 4C
C3028	B C 4C
C3031	A C 4D
C3032	A C 4B
C3033	A C 4B
C3035	B C 4B
C3037	A C 4D
C3506	B C 4A
C3507	A C 4A
C3508	A C 4A
C3509	A C 5D
C3510	A C 4A
C3511	B C 4A
C3512	B C 4A
C3513	A C 5A
C3514	B C 4A
C3515	A C 5A
C3516	A C 5B
C3901	A C 4A
C3902	A C 4A
C3903	A C 4A
C4001	A C 6C
C4002	B C 6D
C4003	B C 6D
C4006	A C 5C
C4007	B C 6C
C4008	B C 6C
C4009	A C 6C
C4010	B C 6D
C4011	B C 6D
C4012	A C 5D
C4013	B C 5D
C4014	B C 5D
C4015	B C 5D
C4016	B C 5D
C4017	B C 4D
C4018	B C 4C
C4019	B C 4C
C4020	B C 4C
C4021	B C 4C
C4022	B C 5B
C4023	B C 5B
C4024	B C 5B
C4025	B C 5B
C4026	A C 6C
C4028	B C 6D
C4029	B C 6D
C4030	B C 6D
C4035	B C 6B
C4036	B C 6C
C4037	B C 6C
C4038	B C 6D
C4039	B C 6D
C4040	A C 5C
C4044	A C 6C
C4048	A C 5C
C4049	B C 5D
C4050	B C 4B
C4051	A C 6C
C4055	B C 6D
C4201	A C 7B
C4202	A C 7B
C4203	A C 7C
C4204	A C 7C
C4205	B C 7C
C4206	A C 7C
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R145	B C 6A
R146	B C 6A
R147	B C 6A

COMPONENT PARTS LOCATION GUIDE

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R148	B	C	6A	R2072	A	C	5A	R4507	B	C	7B	R6309	B	C	3D	R7055	A	C	2C	J4001	A	C	4B	ZP28-10	B	C	1A
R149	A	C	5B	R2401	B	C	6C	R4508	B	C	7B	R6310	B	C	3D	R7056	A	C	2C	J4002	A	C	4B	ZP28-11	B	C	2B
R150	B	C	2A	R2402	B	C	6C	R4514	B	C	7B	R6311	B	C	3D	R7057	A	C	2C	JP2001	A	C	6D	ZP28-12	A	C	1A
R151	B	C	2A	R2403	B	C	6B	R4515	B	C	7B	R6312	B	C	3D	R7058	A	C	2C	JP2002	A	C	6C	ZP28-13	B	C	1B
R152	B	C	5D	R2404	B	C	6B	R4701	A	C	5D	R6403	B	C	3A	R7061	B	C	3D	JP2003	A	C	4A	ZP504-1	B	C	1B
R153	B	C	6B	R2405	B	C	6C	R4702	A	C	6D	R6404	B	C	3A	R7062	B	C	3D	JP2004	A	C	5A	ZP504-2	B	C	1B
R158	B	C	6A	R2406	B	C	6C	R4703	A	C	6D	R6406	A	C	1B	R7067	B	C	2C	JP2005	A	C	6D	ZP504-3	B	C	1C
R159	A	C	2C	R3001	B	C	4B	R4704	A	C	5D	R6407	B	C	3A	R7068	B	C	2C	PC0539	A	C	7A	ZP504-4	B	C	1C
R160	A	C	4D	R3002	A	C	3C	R4705	A	C	5C	R6503	B	C	4A	R7069	B	C	2C	PC0559	A	C	7A	ZP504-5	B	C	1B
R161	B	C	4B	R3004	A	C	3C	R4706	A	C	5C	R6504	B	C	3A	R7070	B	C	2C	TL1601	A	C	7D	ZP505-1	B	C	1D
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R163	A	C	4D	R3007	A	C	3C	R4708	B	C	1C	R6507	B	C	3A	R7072	A	C	2C	TL1603	A	C	7D	ZP505-3	B	C	1C
R164	A	C	5B	R3008	B	C	4C	R4709	B	C	1D	R6603	B	C	2A	R7073	A	C	2C	TL1605	A	C	7D	ZP505-4	B	C	1D
R165	B	C	7C	R3009	A	C	6A	R4710	B	C	1C	R6604	B	C	2A	R7074	B	C	2C	TL1606	A	C	7E				
R166	B	C	7C	R3010	A	C	6A	R4711	A	C	5D	R6605	B	C	2A	R7077	A	C	3D	TM6	B	C	1A				
R167	A	C	7A	R3014	B	C	4C	R4712	A	C	5C	R6606	B	C	2A	R7078	A	C	3D	TM7	B	C	1A				
R168	A	C	7A	R3015	B	C	4C	R4713	A	C	5C	R6607	A	C	3A	R7079	A	C	3D	TM9	B	C	7A				
R169	B	C	7A	R3016	B	C	4C	R4714	A	C	5D	R6608	A	C	3A	R7080	A	C	3D	X101	A	C	6A				
R170	A	C	7A	R3017	B	C	4C	R4715	A	C	2D	R6609	A	C	3A	R7081	A	C	3D	X102	B	C	7A				
R171	B	C	6B	R3018	B	C	4C	R4716	B	C	1C	R6610	A	C	3A	R7082	A	C	3D	X3001	A	D	4B				
R172	A	C	4D	R3022	B	C	4C	R4717	B	C	1C	R6611	A	C	3A	R7083	A	C	3C	ZP1-1	B	C	7D				
R173	A	C	5B	R3023	B	C	4C	R4718	B	C	1D	R6612	A	C	3A	R7084	A	C	3C	ZP1-3	B	C	5A				
R174	A	C	5B	R3027	A	C	5B	R4719	B	C	1C	R6613	A	C	2A	R7085	A	C	3C	ZP1-5	B	C	7D				
R175	A	C	5B	R3028	A	C	4B	R4720	B	C	1B	R6614	B	C	2B	R7086	B	C	3C	ZP1-7	A	C	7A				
R176	B	C	3A	R3029	A	C	4D	R4721	B	C	1C	R6616	A	C	3A	R7088	B	C	3C	ZP1-8	A	C	7A				
R177	B	C	4B	R3030	A	C	4D	R4722	B	C	1B	R6621	B	C	3C	R7089	A	C	3C	ZP1-9	A	C	7A				
R180	A	C	5B	R3031	A	C	4D	R4723	B	C	1D	R6622	B	C	3B	R7090	A	C	3C	ZP2-1	B	C	6B				
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R184	B	C	4D	R3501	A	C	5D	R4726	A	C	2B	R6625	B	C	3B	R7094	A	C	3C	ZP2-5	B	C	4B				
R188	B	C	6A	R3502	A	C	4A	R4727	A	C	1C	R6626	B	C	3B	R7095	A	C	3C	ZP2-6	A	C	1A				
R189	A	C	4B	R3504	B	C	5A	R4728	A	C	2B	R6627	B	C	3B	R7096	B	C	3C	ZP2-7	B	C	1A				
R190	A	C	6B	R3505	B	C	5A	R4729	B	C	2C	R6701	A	C	3A	R7098	B	C	3C	ZP2-8	A	C	1A				
R191	B	C	6B	R3506	A	C	5A	R4730	B	C	2B	R6702	B	C	4A	R7099	A	C	3D	ZP2-9	B	C	2A				
R192	B	C	4D	R3507	A	C	4B	R4731	A	C	2B	R6703	A	C	2A	R7100	A	C	3D	ZP4-1	B	C	7A				
R193	A	C	5B	R3508	A	C	4A	R4732	A	C	1B	R6704	A	C	2A	R7101	A	C	3D	ZP4-2	B	C	7D				
R194	A	C	5B	R3901	A	C	4A	R4733	A	C	2C	R6706	A	C	2A	R7102	B	C	3D	ZP4-5	B	C	7A				
R195	B	C	3A	R3902	A	C	4A	R4734	B	C	2B	R6707	A	C	3A	R7103	B	C	3D	ZP4-6	B	C	7A				
R196	B	C	4D	R3903	A	C	4A	R4735	A	C	1D	R6708	A	C	3A	R7105	A	C	2D	ZP7-1	A	C	5D				
R504	A	C	1A	R4001	B	C	6C	R4736	B	C	1D	R6709	A	C	3A	R7106	A	C	2D	ZP7-2	A	C	5D				
R505	A	C	1A	R4002	B	C	6C	R4737	B	C	1C	R6710	B	C	1B	R7107	A	C	2D	ZP7-3	A	C	6C				
R1601	B	C	7D	R4003	B	C	6C	R4738	B	C	1C	R6711	B	C	1B	R7110	A	C	3C	ZP7-4	A	C	6D				
R1602	B	C	7D	R4004	B	C	6C	R4739	B	C	1C	R6712	A	C	3A	R7111	A	C	3C	ZP7-5	A	C	6C				
R1603	A	C	7D	R4006	B	C	6C	R4741	B	C	1D	R6713	B	C	2B	R7112	A	C	3C	ZP7-6	A	C	6C				
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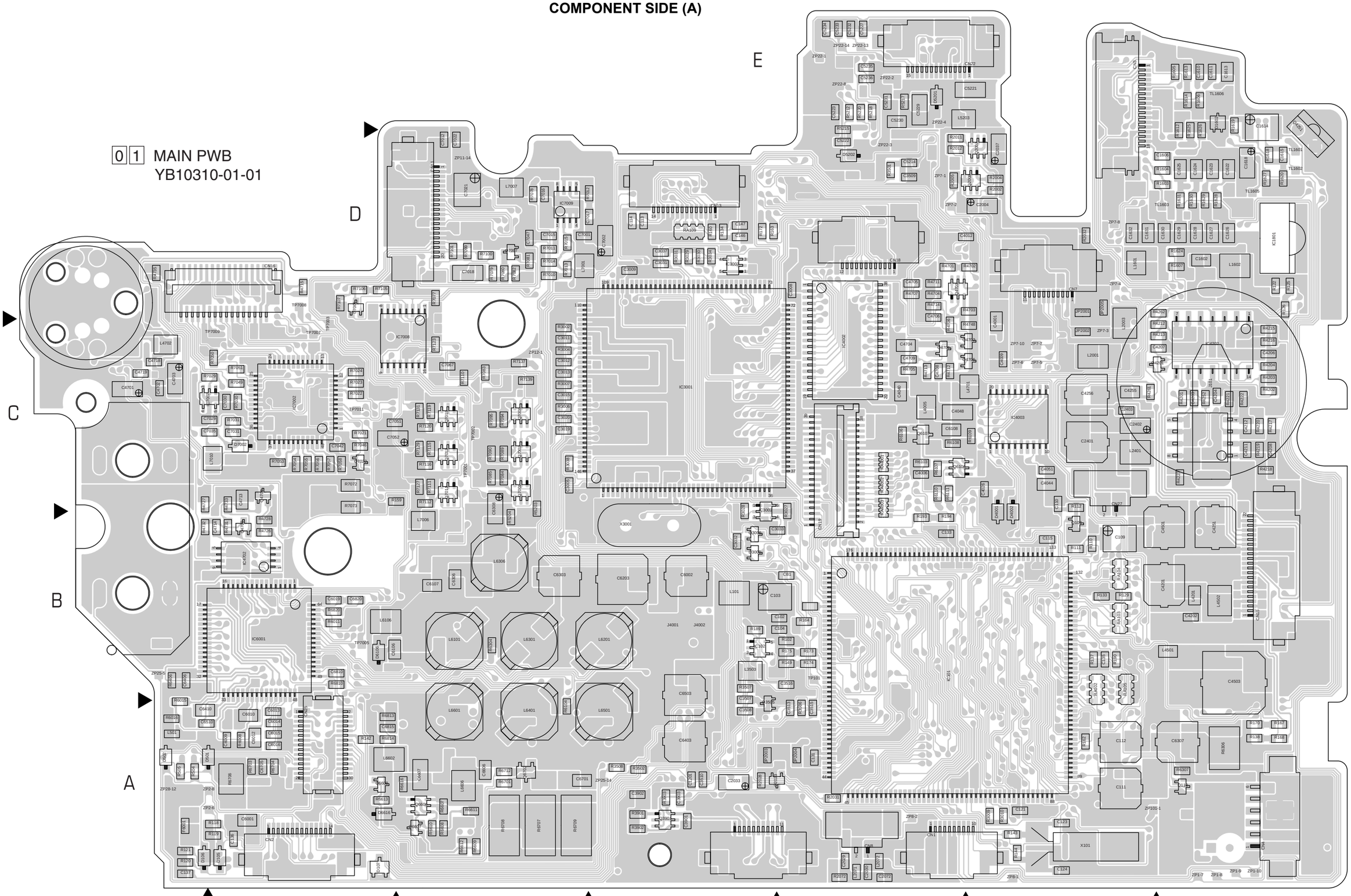
R1605	A	C	7E	R4008	B	C	6D	R4743	B	C	1C	R6801	B	C	2A	R7115	A	C	3C	ZP7-8	A	C	6D				
R1606	A	C	7E	R4009	B	C	6D	R4744	B	C	1C	R6803	B	C	2A	R7116	A	C	3C	ZP7-9	B	C	6C				
R1607	A	C	7D	R4010	B	C	6D	R4745	B	C	1C	R6804	B	C	2A	R7118	B	C	3C	ZP8-1	A	C	6A				
R1608	B	C	6E	R4011	B	C	6D	R4746	B	C	1C	R6810	A	C	2B	R7119	A	C	3C	ZP8-2	A	C	5A				
R1609	B	C	6E	R4012	B	C	6D	R4747	B	C	1C	R6811	B	C	2A	R7120	A	C	3C	ZP1-10	A	C	7A				
R1610	B	C	6E	R4013	B	C	6D	R4748	A	C	6C	R6813	A	C	2A	R7122	B	C	3C	ZP12-1	A	C	3C				
R1611	B	C	6E	R4014	B	C	6D	R5201	B	C	6E	R6814	A	C	2A	R7123	A	C	3C	ZP12-3	B	C	3D				
R1612	A	C	7D	R4035	B	C	6C	R5202	B	C	5E	R6820	A	C	2B	R7124	B	C	3C	ZP12-4	B	C	3D				
R1613	A	C	7E	R4036	B	C	6C	R5203	A	C	3C	R6911	B	C	3B	R7127	A	C	3C	ZP12-5	B	C	2C				
R1614	A	C	7E	R4037	B	C	6B	R5204	A	C	3B	R6921	B	C	4B	R7128	B	C	3C	ZP13-5	B	C	6B				
R1615	B	C	7E	R4038	B	C	4B	R5211	B	C	6E	R6931	B	C	3B	R7129	A	C	3C	ZP16-7	B	C	6B				
R1616	B	C	7E	R4201	A	C	7C	R5212	A	C	5E	R6941	B	C	3A	R7130	B	C	3C	ZP18-3	B	C	4B				
R1617	B	C	7E	R4202	A	C	7C	R5213	B	C	5D	R6951	B	C	3A	R7131	A	C	3C	ZP18-4	B	C	6B				
R1618	A	C	7D	R4203	A	C	7C	R5214	B	C	5D	R6961	B	C	3B	R7132	B	C	3C	ZP2-10	B	C	6B				
R1619	A	C	7E	R4204	A	C	7C	R5215	A	C	5D	R7002	B	C	4D	R7137	A	C	3C	ZP2-11	B	C	6B				
R1620	A	C	7D	R4205	B	C	7C	R5216	B	C	5E	R7003	B	C	4D	R7138	B	C	3C	ZP2-12	B	C	4A				
R1621	B	C	7D	R4206	B	C	7C	R5217	A	C	5E	R7004	B	C	3D	R7139	A	C	3C	ZP2-14	B	C	6A				
R1622	B	C	7D	R4207	B	C	7C	R5218	A	C	5E	R7005	B	C	3D	R7141	B	C	3C	ZP22-1	A	C	5E				
R1623	B	C	7D	R4208	B	C	7C	R5220	A	C	5E	R7007	B	C	3D	R7142	B	C	2C	ZP22-2	A	C	5E				
R1624	A	C	7D	R4209	B	C	7C	R6001	B	C	2A	R7008	B	C	3D	R7143	B	C	2C	ZP22-3	A	C	5D				
R1625	A	C	7D	R4210	B	C	7C	R6002	B	C	2A	R7009	B	C	4D	RA101	B	C	6A	ZP22-4	A	C	5E				
R1626	A	C	7D	R4211	B	C	7C	R6003	B	C	2B	R7010	A	C	3D	RA102	A	C	6B	ZP22-5	B	C	5E				
R1627	A	C	7D	R4212	A	C	7C	R6004	B	C	2B	R7011	A	C	3D	RA103	A	C	6B	ZP22-8	A	C	5E				
R1628	A	C	7D	R4213	A	C	7C	R6005	B	C	2B	R7012	A	C	4D	RA104	A	C	6B	ZP22-9	B	C	5E				
R1629	A	C	7D	R4214	B	C	7C	R6006	B	C	2A	R7013	A	C	3D	RA105	A	C	6B	ZP25-5	A	C	1B				
R1630	A	C	7D	R4215	A	C	7C	R6007	B	C	2A	R7014	A	C	3D	RA106	B	C	6A	ZP27-1	B	C	6C				
R1631	A	C	7D	R4216	A	C	7C	R6008	A	C	2A	R7015	A	C	3D	RA107	B	C	6A	ZP27-2	B	C	6B				
R1632	B	C	7D	R4217	A	C	7C	R6009	B	C	2B	R7020	B	C	4D	RA108	B	C	5A	ZP28-1	B	C	1B				
R1633	B	C	7D	R4218	A	C	7C	R6010	B	C	2A	R7021	A	C	2C	RA109	A	C	4D	ZP28-2	B	C	1B				
R2001	B	C	6C	R4219	A	C	7C	R6011	A	C	2B	R7022	A	C	2C	RA4001	A	C	5C	ZP28-3	B	C	1B				
R2002	A	C	6D	R4220	A	C	7C	R6012	B	C	1B	R7023	A	C	2C	RA4002	A	C	5C	ZP28-4	B	C	1A				
R2003	B	C	6C	R4221	A	C	7C	R6015	A	C	1A	R7024	A	C	2C	RA4003	A	C	5C	ZP28-5	B	C	6B				
R2004	A	C	6D	R4222	A	C	7C	R6016	A	C	1A	R7029	A	C	2C	**TEST POINT**				ZP28-6	B	C	1B				
R2005	A	C	5D	R4223	A	C	7C	R6017	B	C	2B	R7030	A	C	2C					ZP28-7	B	C	2A				
R2006	B	C	6C	R4224	B	C	7C	R6018	B	C	2B	R7031	A	C	2C	TP101	A	C	5B	ZP28-8	B	C	2A				
R2011	A	C	5D	R4251	B	C	7C	R6019	B	C	4B	R7032	B	C	2C	TP102	B	C	6B	ZP28-9	B	C	1A				
R2012	A	C	5D	R4252	A	C	7C	R6103	A	C	5C	R7033	B	C	2C	TP7001	A	C	3C	ZP7-10	A	C	6C				
R2021	B	C	5A	R4253	B	C	7C	R6104	A	C	3A	R7034	B	C	2C	TP7002	A	C	3C	ZP7-11	B	C	6B				
R2022	B	C	5A	R4254	B	C	7C	R6105	B	C	3B	R7035	B	C	2C	TP7003	A	C	2C	ZP101-1	A	C	6A				
R2023	B	C	5A	R4255	B	C	7C	R6106	A	C	5C	R7038	B	C	2C	TP7005	A	C	2B	ZP11-14	A	C	3D				
R2024	B	C	5A	R4256	B	C	7C	R6107	A	C	5C	R7039	B	C	2D	TP7007	A	C	2C	ZP13-10	B	C	3B				
R2025	B	C	5A	R4257	B	C	7C	R6108	A	C	5C	R7040	B	C	2C	TP7008	A	C	2D	ZP13-11	B	C	3C				
R2026	B	C	5A	R4258	B	C	6C	R6109	A	C	6C	R7042	B	C	2C	TP7009	A	C	2C	ZP13-12	B	C	3C				
R2027	B	C	5A	R4259	B	C	6C	R6110	A	C	5C	R7043	B	C	2C	TP7011	A	C	2C	ZP16-10	B	C	6B				
R2028	A	C	4A	R4261	A	C	6C	R6111	A	C	5C	R7044	B	C	2C	**OHTER**				ZP18-10	B	C	6A				
R2029	B	C	5A	R4262	A	C	7D	R6203	B	C	4B	R7045	B	C	2C					ZP22-10	B	C	5E				
R2030	B	C	5A	R4501	B	C	7B	R6204	B	C	2B	R7046	A	C	2C	CB1	A	C	5B	ZP22-11	B	C	5E				
R2031	A	C	5A	R4502	B	C	7B	R6303	B	C	3B	R7049	A	C	2C	FL4701	B	C	2B	ZP22-12	B	C	5E				
R2032	A	C	6D	R4503	B	C	7B	R6304	A	C	3B	R7050	A	C	2C	FL4702	B	C	2C	ZP22-13	A	C	5E				
R2051	B	C	1B	R4504	B	C	7B	R6305	B	C	3B	R7051	A	C	2C	J101	A	D	7C	ZP22-14	A	C	5E				
R2052	B	C	1C	R4505	B	C	7B	R6306	A	C	7A	R7053	A	C	2C	J504	A	D	1C	ZP25-14	A	C	4A				
R2071	B	C	5A	R4506	B	C	7B	R6307	A	C	7A	R7054	A	C	2C	J505	A	D	1D								

COMPONENT SIDE (A)

01 MAIN PWB
YB10310-01-01

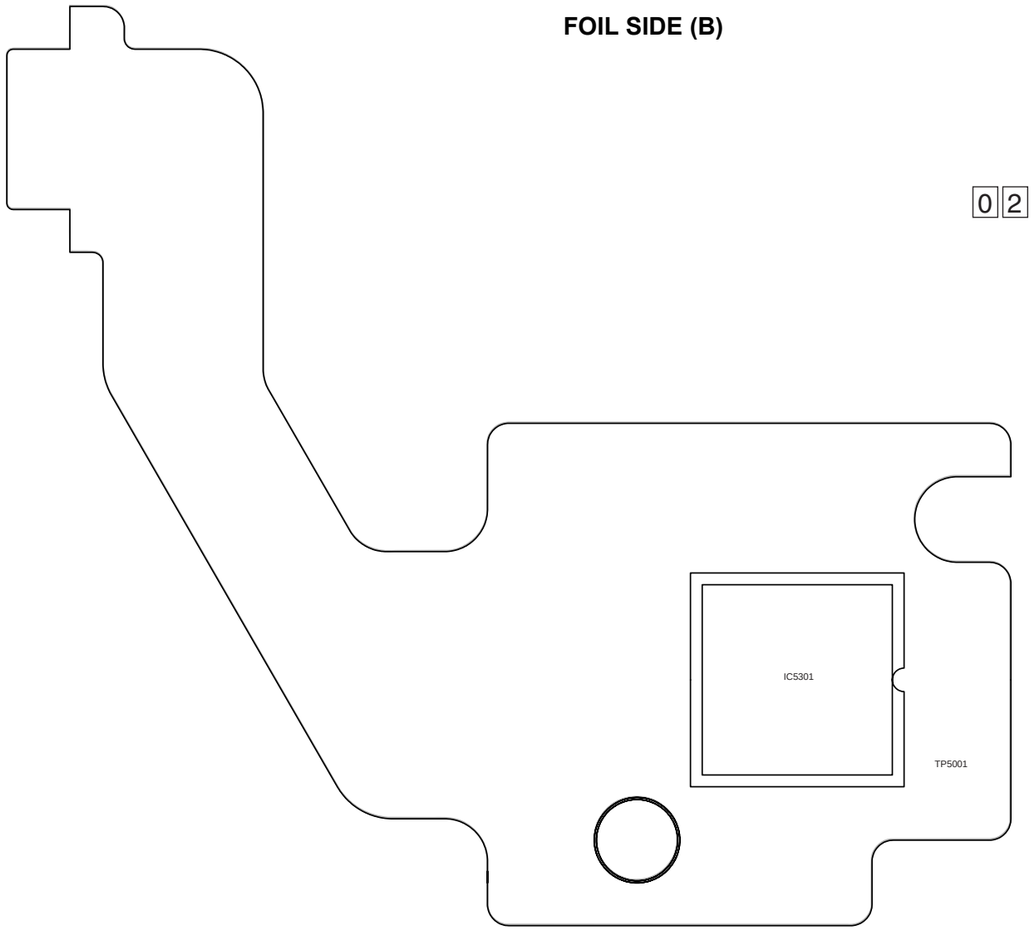


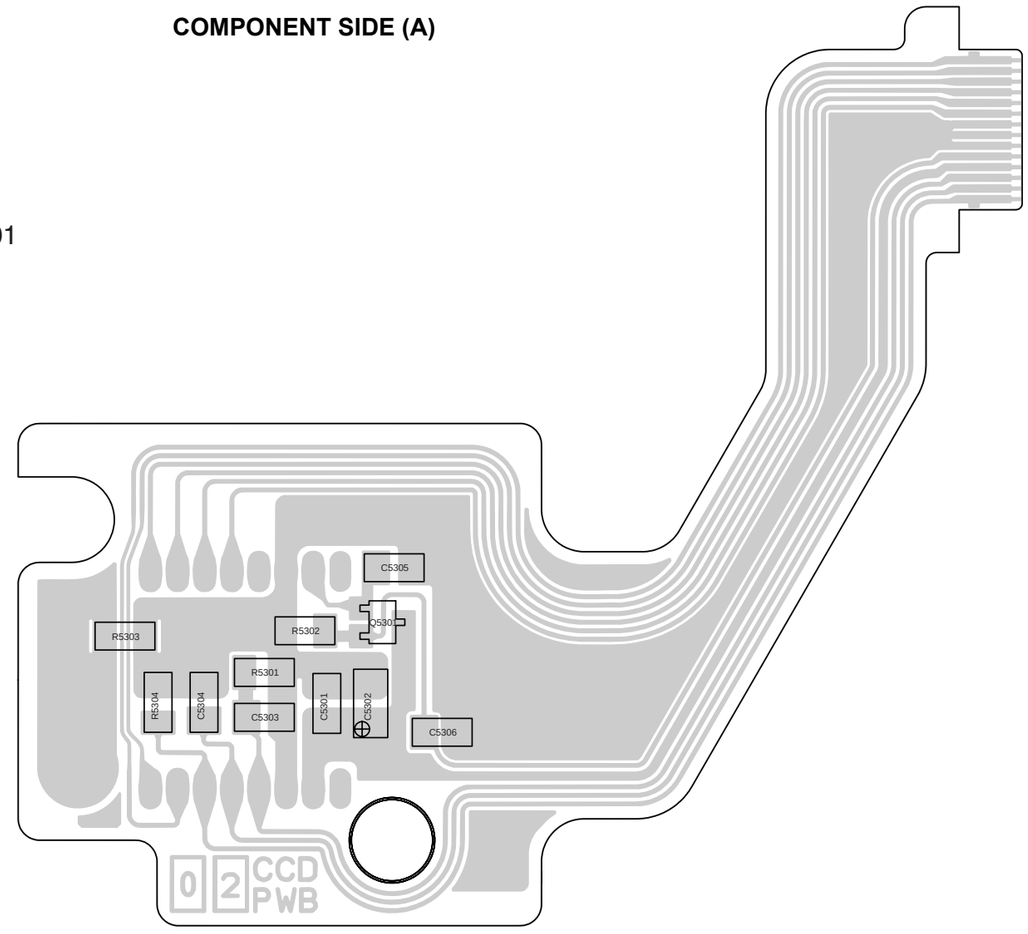
4.16 CCD CIRCUIT BOARD

FOIL SIDE (B)

COMPONENT SIDE (A)

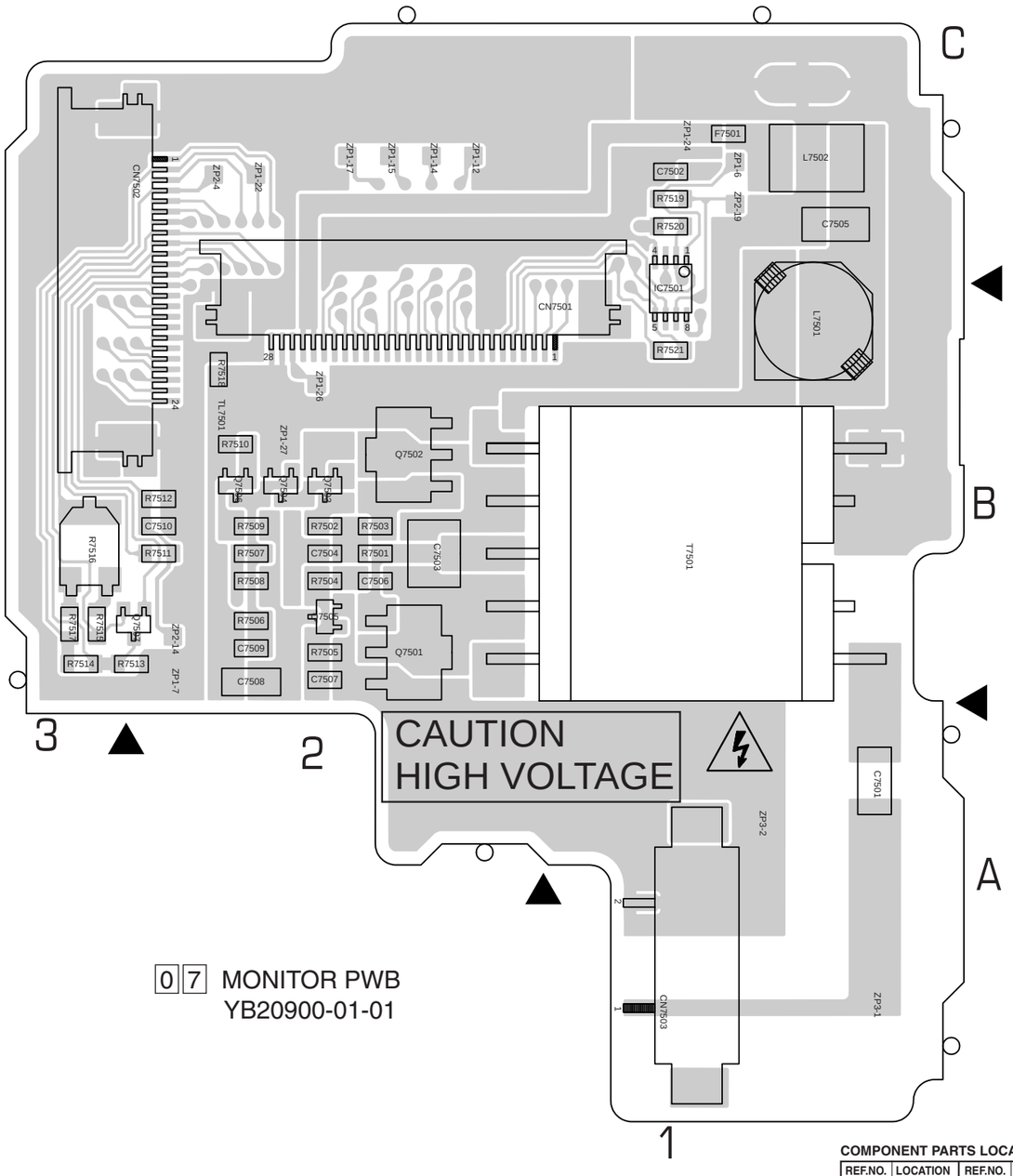
02 CCD PWB
YB20899-01-01





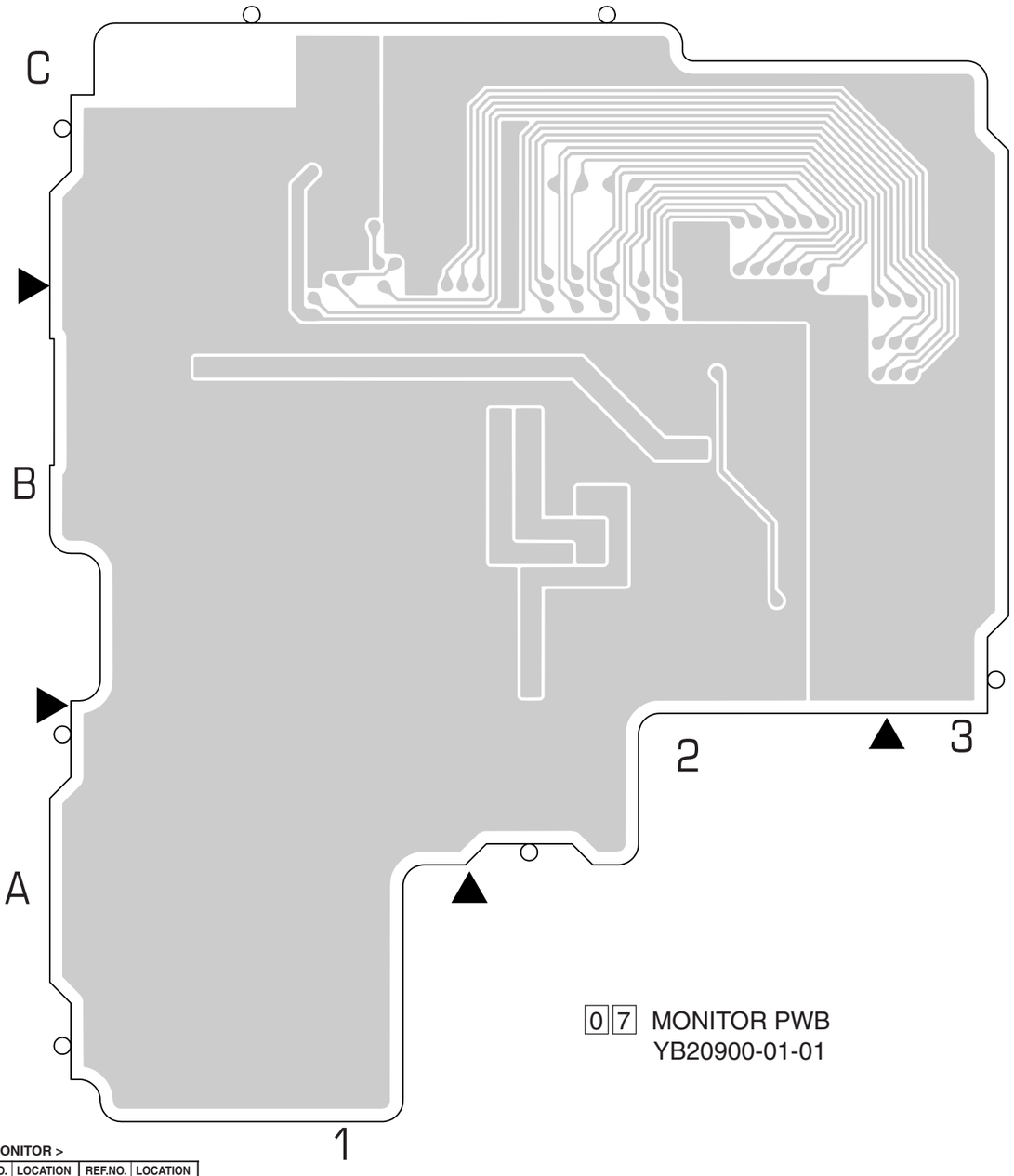
4.17 MONITOR CIRCUIT BOARD

FOIL SIDE (B)



07 MONITOR PWB
YB20900-01-01

COMPONENT SIDE (A)



07 MONITOR PWB
YB20900-01-01

COMPONENT PARTS LOCATION GUIDE <MONITOR >

REF.NO.	LOCATION		
CAPACITOR			
C7501	A	C	1A
C7502	A	C	1C
C7503	A	C	2B
C7504	A	C	2B
C7505	A	C	1C
C7506	A	C	2B
C7507	A	C	2B
C7508	A	C	2B
C7509	A	C	2B
C7510	A	C	2B
CONECTOR			
CN7501	A	C	1B
CN7502	A	C	2C
CN7503	A	C	1A
FUSE			
F7501	A	C	1C

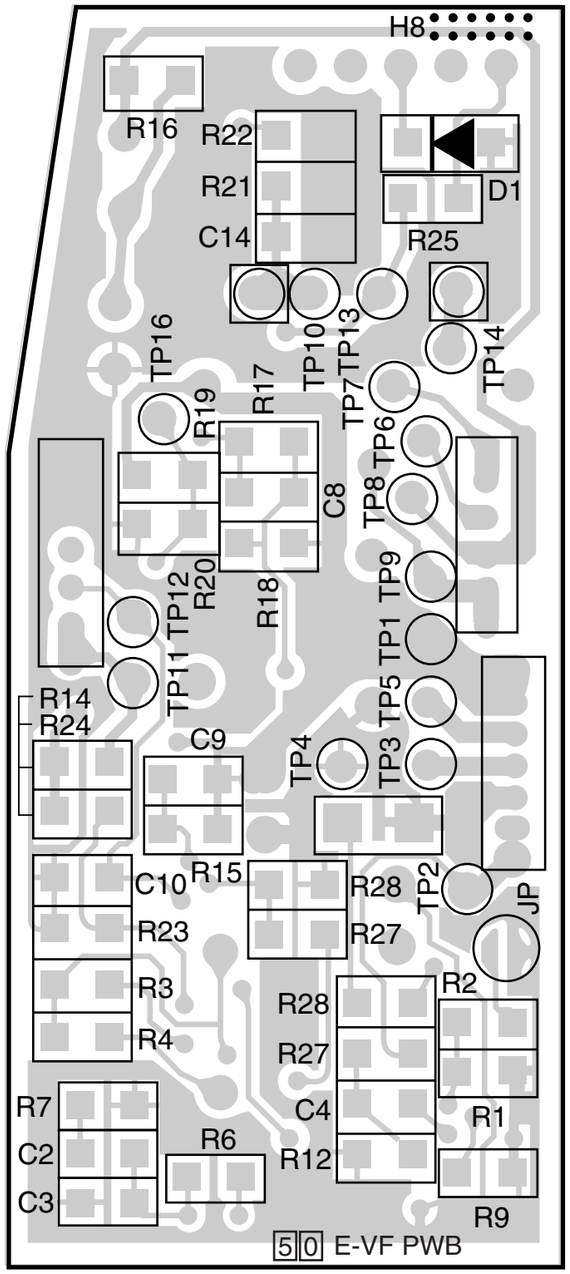
REF.NO.	LOCATION		
IC			
IC7501	A	C	1C
COIL			
L7501	A	C	1B
L7502	A	C	1C
TRANSISTOR			
Q7501	A	C	2B
Q7502	A	C	2B
Q7503	A	C	2B
Q7504	A	C	2B
Q7505	A	C	2B
Q7506	A	C	2B
Q7507	A	C	2B
RESISTOR			
R7501	A	C	2B
R7502	A	C	2B

REF.NO.	LOCATION		
R7503	A	C	2B
R7504	A	C	2B
R7505	A	C	2B
R7506	A	C	2B
R7507	A	C	2B
R7508	A	C	2B
R7509	A	C	2B
R7510	A	C	2B
R7511	A	C	2B
R7512	A	C	2B
R7513	A	C	2B
R7514	A	C	3B
R7515	A	C	3B
R7516	A	C	3B
R7517	A	C	3B
R7518	A	C	2B
R7519	A	C	1C
R7520	A	C	1C

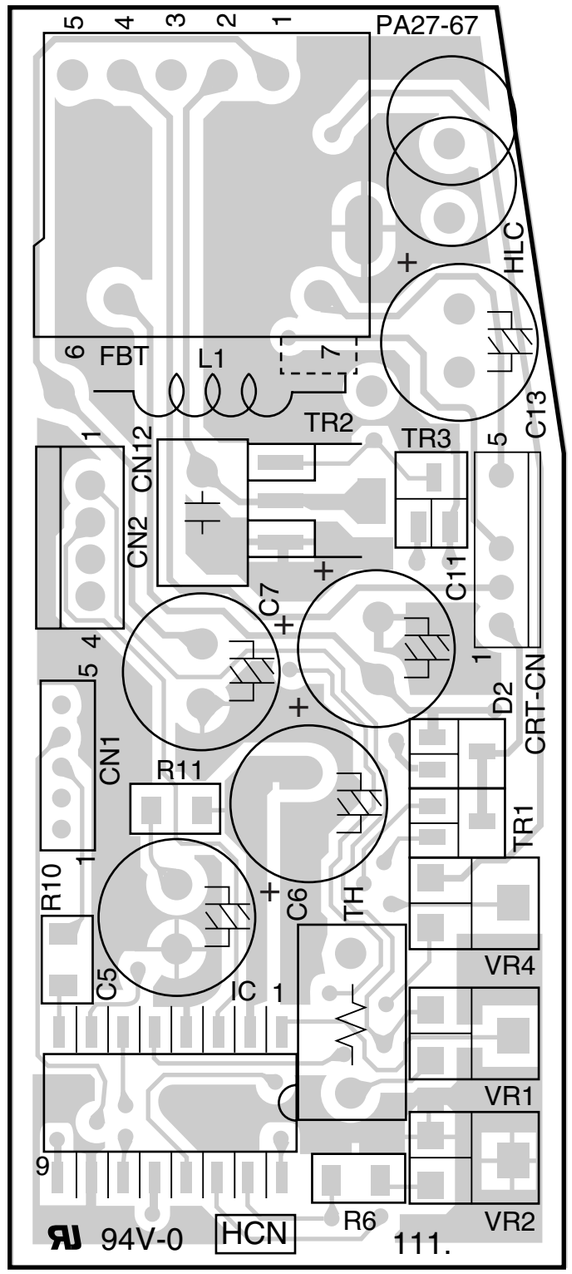
REF.NO.	LOCATION		
R7521	A	C	1B
OTHER			
T7501	A	C	1B
TL7501	A	C	2B
ZP1-6	A	C	1C
ZP1-7	A	C	2B
ZP2-4	A	C	2C
ZP3-1	A	C	1A
ZP3-2	A	C	1A
ZP1-14	A	C	2C
ZP1-15	A	C	2C
ZP1-17	A	C	2C
ZP1-22	A	C	2C
ZP1-24	A	C	1C
ZP1-26	A	C	2B
ZP1-27	A	C	2B
ZP2-14	A	C	2B
ZP2-19	A	C	1C

4.18 ELECTRONIC VIEWFINDER CIRCUIT BOARD

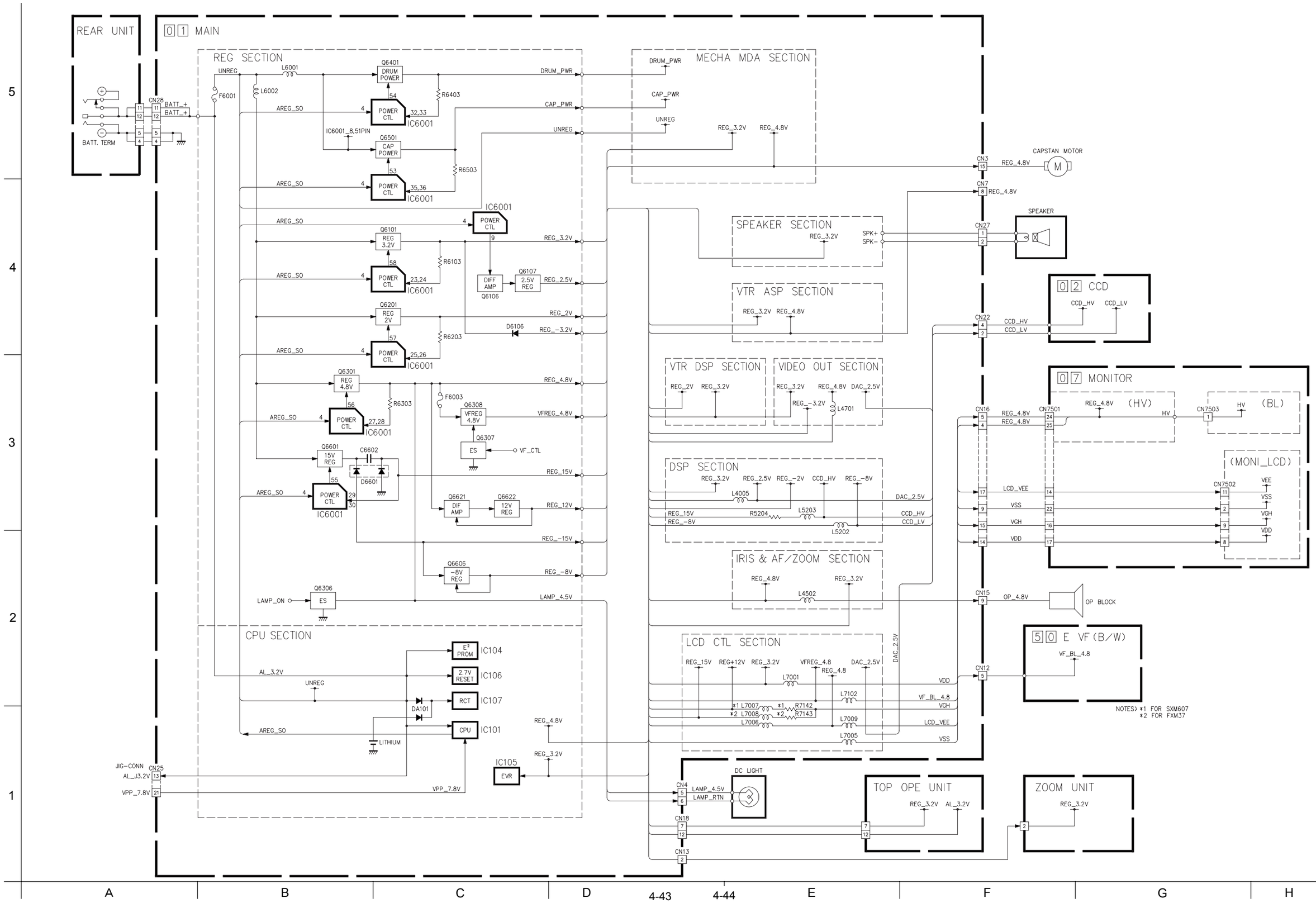
FOIL SIDE (B)



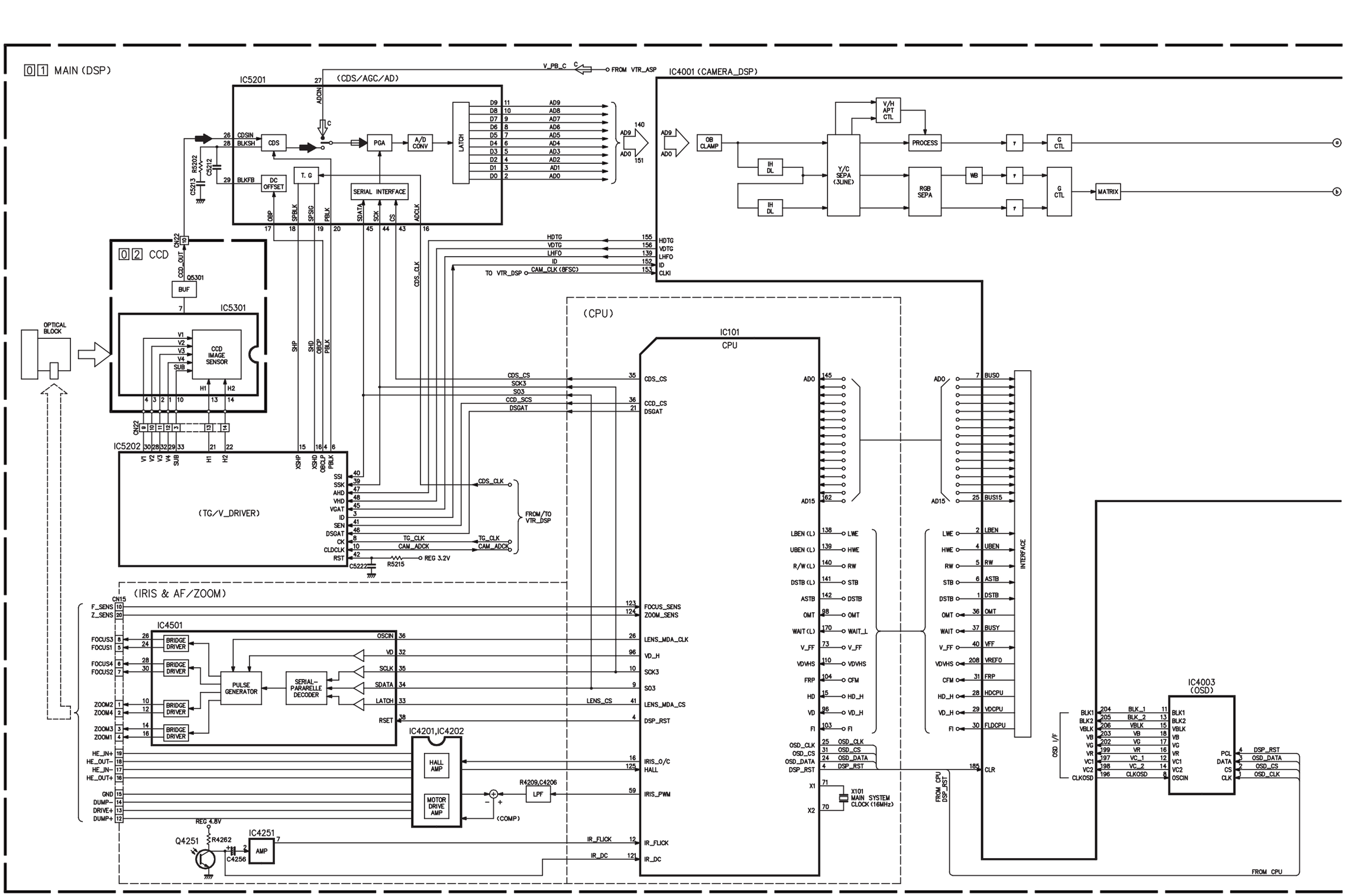
COMPONENT SIDE (A)



4.19 POWER SYSTEM BLOCK DIAGRAM



4.20 CAMERA BLOCK DIAGRAM



(DSP)

IC4001

VTR_DSP CONTROL INTERFACE

D/A CONV ×3 → BUF (Y), BUF → CLAMP → MOD (B-Y), BUF → CLAMP → MOD (R-Y)

SUB CARRIER MODULE → LPF → MOD

LIM → BLK

162 YOUT — CAM_Y — Y

166 COUT — CAM_C — C

(VIDEO OUT)

Y,Y+C → BUF (Q4701 Q4702) → DRIV (Q4703 Q4704) → ×2 R4720 → Y+C → CN25 JIG CONN. 11 VOUT

×2 R4701

C → BUF (Q4705 Q4706) → FILTER (R4717,R4743 C4719) → DRIV (Q4713 Q4714) → Y+C → ×1 R4721 → SY_OUT

C → ANTI BELL FILTER AMP ×3 FL4701,FL4702 Q4708~Q4710

×1 IC4702 (5 H, 3 H/L, 7 H/L)

×1 Q4711 Q4712 DRIV → ×1 R4723 → SC_OUT

(JACK)

J504 A/V OUT

S OUT J505

NOTES) ×1 : FOR SXM607EG/EK
×2 : FOR FXM37
×3 : FOR SXM607EG

175 VFYOUT/GOUT → G OUT

BUF → 167 R-YOUT/ROUT → R OUT

BUF → 176 B-YOUT/BOUT → B OUT

TO LCD CTL

TMC0 122, TMC3 126, TMY0 112, TMY7 121, IE 133, FWME 135, WAD 132, FMC0 108, FMC3 111, FMY0 99, FMY7 106, MCLK 127, RAE 136, RAD 129

IC4002

DIN8 (CIN0) 5, DIN11 (CIN3) 6, DIN0 (YIN0) 7, DIN7 (YIN7) 14, IE 18, WE 17, RSTW 16, SWCK 15, DO8 (COUT0) 34, DO11 (COUT3) 37, DO0 (YOUT0) 26, DO7 (YOUT7) 33, SRCK 25, RE 23, RSTR 24

WRITE BUFFER → WRITE RESISTOR → MEMORY CELL ARRAY

DOUT BUFFER → READ RESISTOR → MEMORY CELL ARRAY

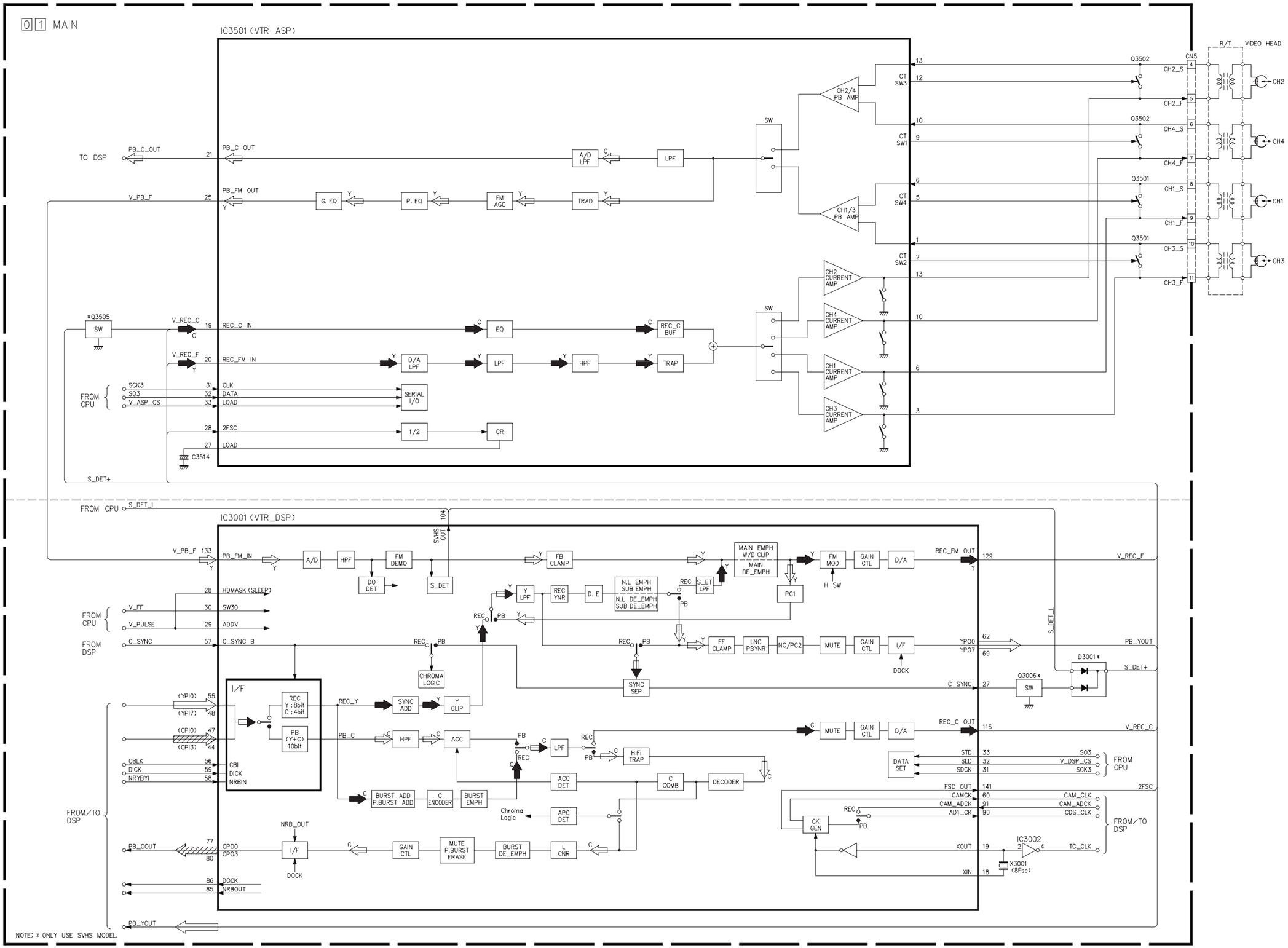
SCBLKO 59 SCBLK → TO VTR_ASP

DY00 75, DY07 66, DC00 65, DC03 62, DY10 81, DY17 90, DC10 91, DC13 94 — FROM/TO VTR_DSP

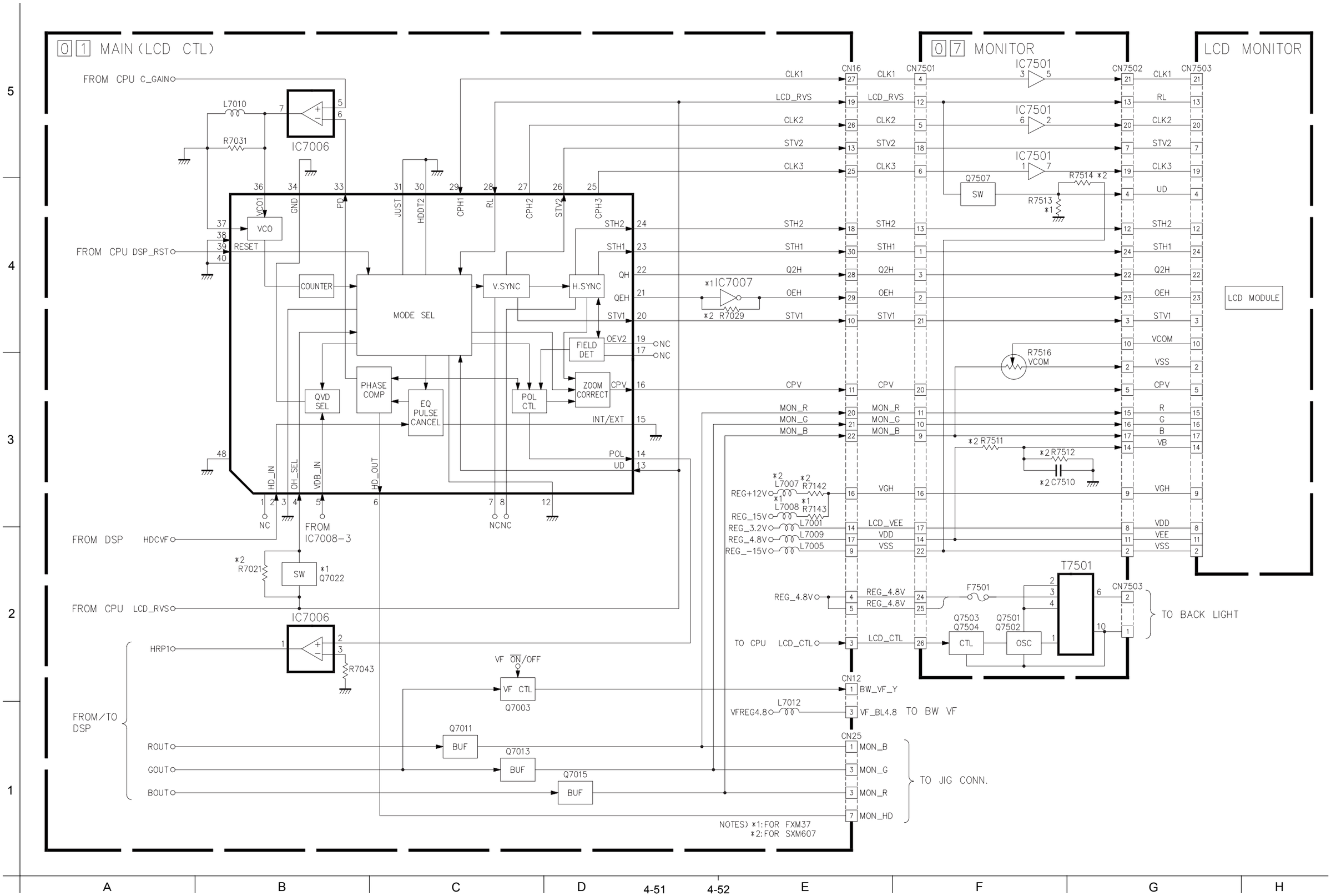
NRYBY1 95 NRYBY1, DCKI 98 DOCK, CLKI 153 CAM_CLK

CSYNCO 78 CSYNC, CBLKO 80 CBLK, DCKO 76 DICK, NRYBYO 77 NRYBO

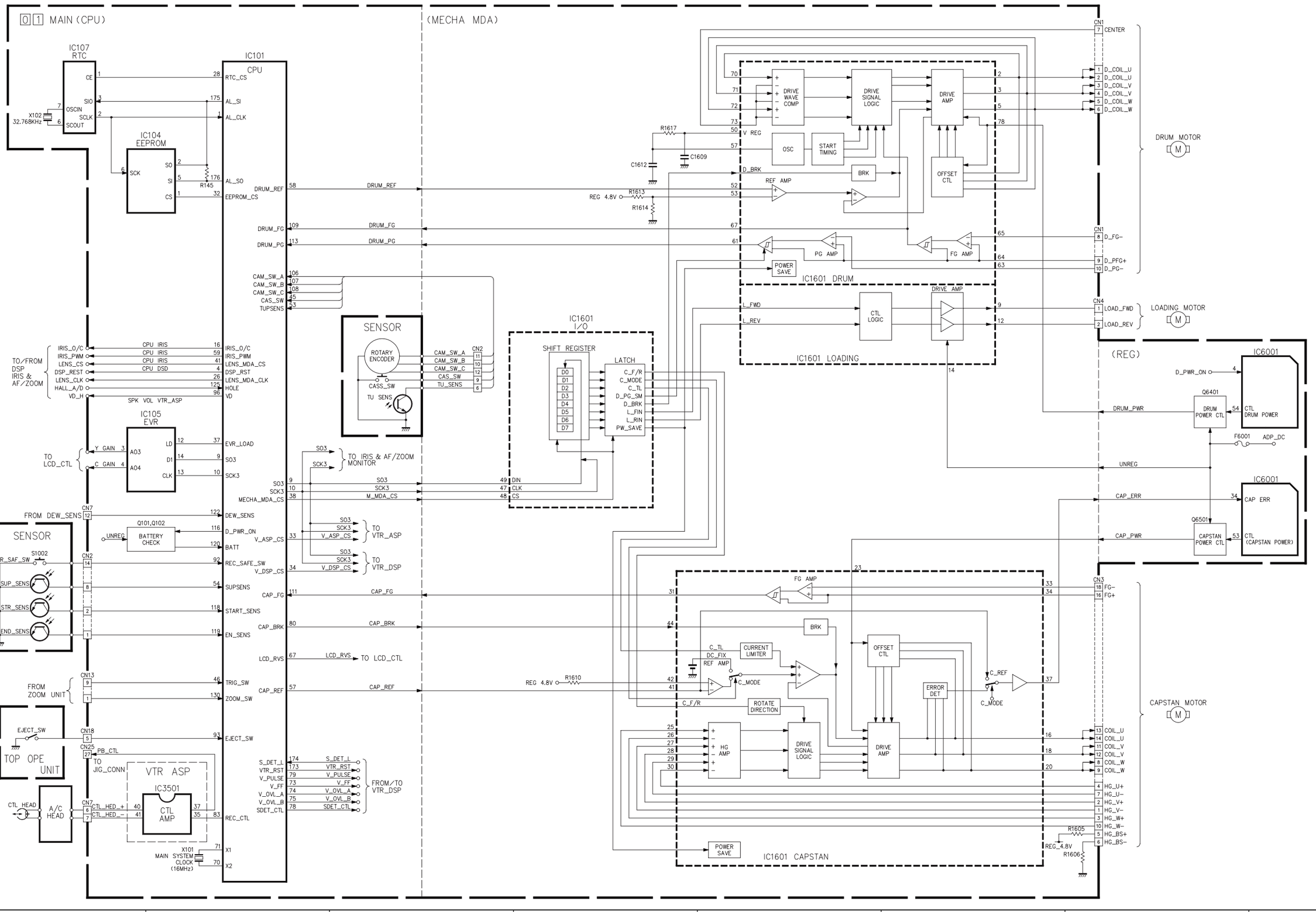
4.21 Y/C BLOCK DIAGRAM



4.22 MONITOR BLOCK DIAGRAM



4.23 CPU/MDA BLOCK DIAGRAM



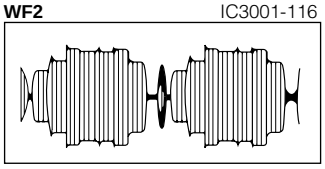
4.24 WAVEFORMS

– VTR DSP –

WF1 IC3001-129

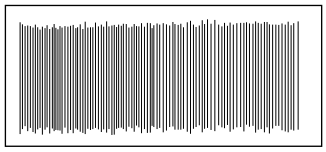
REC 0.24 Vp-p
20mV/20µsec/DIV

WF2 IC3001-116



REC 0.36 Vp-p
10mV/20µsec/DIV

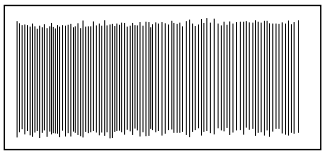
WF3 IC3001-133



PB 0.8 Vp-p
20mV/20µsec/DIV

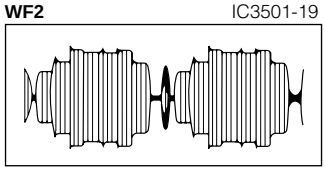
– VTR ASP –

WF1 IC3501-20



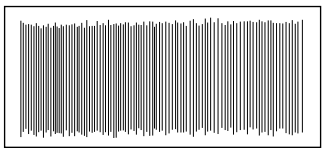
REC 0.68 Vp-p
20mV/20µsec/DIV

WF2 IC3501-19



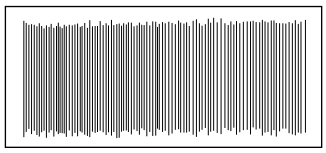
REC 0.38 Vp-p
10mV/20µsec/DIV

WF3 IC3501-25



PB 0.18 Vp-p
5mV/20µsec/DIV

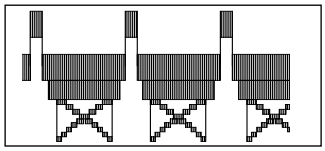
WF4 IC3501-21



PB 0.8 Vp-p
20mV/20µsec/DIV

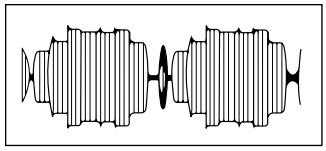
– DSP –

WF1 IC5201-26



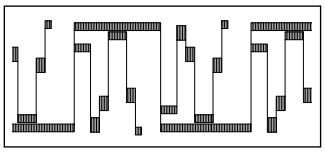
EE 4.8 Vp-p
0.1V/20µsec/DIV

WF2 IC5201-27



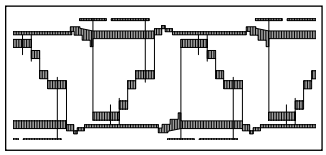
PB 0.15 Vp-p
5mV/20µsec/DIV

WF3 IC4001-167



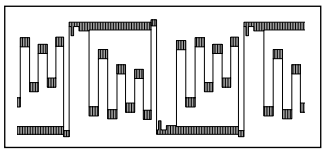
REC 0.2 Vp-p
PB 0.15 VP-P
5mV/20µsec/DIV

WF4 IC4001-175



REC/PB 0.2 Vp-p
5mV/20µsec/DIV

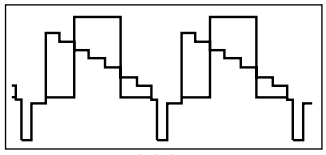
WF5 IC4001-176



REC/PB 0.2 Vp-p
5mV/20µsec/DIV

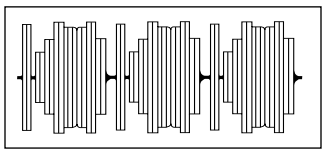
– VIDEO OUT –

WF1 Q4701-3



REC 2.6 Vp-p
PB 2.3 Vp-p
50mV/20µsec/DIV

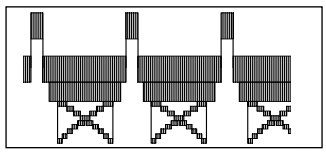
WF2 Q4705-C



REC 1.7 Vp-p
50mV/20µsec/DIV
PB 1.3 Vp-p
20mV/20µsec/DIV

– CCD –

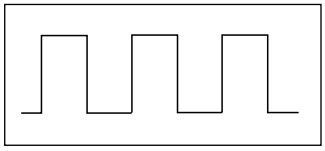
WF1 Q5301-B



EE 1.0 Vp-p
20mV/20µsec/DIV

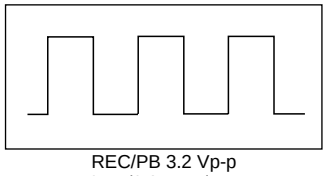
– CPU –

WF1 IC101-109



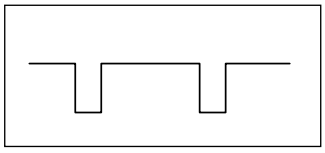
REC/PB 3.2 Vp-p
0.1V/0.2msec/DIV

WF2 IC101-111



REC/PB 3.2 Vp-p
0.1V/0.2msec/DIV

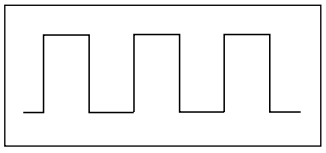
WF3 IC101-113



REC/PB 3.2 Vp-p
0.1V/5msec/DIV

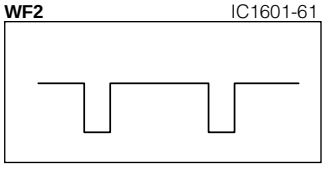
– MECHA MDA–

WF1 IC1601-31



REC/PB 3.2 Vp-p
0.1V/0.2msec/DIV

WF2 IC1601-61



REC/PB 3.2 Vp-p
0.1V/5msec/DIV

4.25 VOLTAGE CHARTS

<CPU>

MODE PIN NO.	REC	PLAY
IC101		
1	3	3
2	3	3
3	3	3
4	3	3
5	0	0
6	0	0
7	3	3
8	3.2	3.2
9	0.6	0.6
10	3	3
11	0	0
12	1.5	1.5
13	3	3
14	0	0
15	0	0
16	1.6	0
17	0	0
18	3	3
19	0	0
20	0	0
21	3	0
22	3	3
23	2.9	2.8
24	2.6	2.6
25	2.9	2.9
26	1.5	1.5
27	3	3.1
28	0	0
29	3	3
30	3	3
31	2.4	2.3
32	3	3
33	3	3
34	3	3
35	3	3
36	0	0
37	0	0
38	0	0
39	3	3
40	0	0
41	0	0
42	0	0
43	0	0
44	0	0
45	0	0
46	2.9	3
47	0	0
48	0	0
49	2.8	0
50	2.8	2.9
51	0	2.9
52	2.8	2.9
53	-	-
54	-	-
55	3	3
56	0	0
57	1.6	1.6
58	1.5	1.5
59	1.4	0
60	2.7	2.7
61	0	0
62	3	3
63	0	0
64	0	0
65	0	0
66	3	3
67	3	3
68	0	0
69	3	3
70	1.4	1.4
71	-	-
72	0	0
73	1.5	1.5
74	0	0
75	0	0
76	0	0
77	0	0
78	0	0
79	0	0

MODE PIN NO.	REC	PLAY
80	0	0
81	3	3
82	0	0
83	1.8	0
84	0	3
85	3	0
86	3	0
87	3	0
88	0	0
89	0	0
90	3	3
91	0	0
92	2.7	2.7
93	2.8	2.8
94	3	3
95	0	0
96	0	0
97	0	0
98	0	0
99	3	3
100	0	0
101	3	3
102	0	0
103	1.6	1.6
104	-	-
105	3.2	3.2
106	0	0
107	3.1	3.1
108	3.1	3.1
109	1.6	1.6
110	0	0
111	1.6	1.6
112	1.8	1.9
113	2.9	3
114	0	0
115	3	3
116	3	3
117	0	2.9
118	0.8	0.8
119	3.1	3.1
120	3.2	3.2
121	2.7	2.7
122	0	0
123	0	0
124	0	0
125	1.4	0.4
126	3.1	3.1
127	3.2	3.2
128	3.2	3.2
129	2.7	2.7
130	1.6	1.6
131	3.2	3.2
132	0	0
133	3.2	3.2
134	0	0
135	3	3
136	3	3
137	0	0
138	0	0
139	0	0
140	3	3
141	3	3
142	3	3
143	3	3
144	3	3
145	0.8	1
146	0.9	1
147	0.9	1
148	0.8	1
149	0.8	1
150	0.8	1
151	0.8	1
152	0.7	0.9
153	3	3
154	0	0
155	0.8	0.9
156	0.8	1
157	0.8	0.9
158	0.8	0.9
159	0.8	0.9

MODE PIN NO.	REC	PLAY
160	0.7	0.9
161	0.7	0.9
162	0.7	0.8
163	0	0
164	3	3
165	3	3
166	3	0
167	0	0
168	0	0
169	0	0
170	3.2	3.2
171	0	3
172	0	3
173	0	0
174	0	0
175	3	3
176	3	3
IC102		
1	2.9	3
2	2.8	2.8
3	0	0
4	0	0
5	3	3
IC104		
1	3	3
2	3	3
3	3	3
4	0	0
5	0	0
6	3	3
7	3	3
8	3	3
IC105		
1	0	0
2	2.1	2.1
3	1.6	1.6
4	1.6	1.6
5	0	1.4
6	0	1.4
7	0	1.4
8	3.2	3.2
9	3.2	3.2
10	0	0
11	1.4	1
12	0	0
13	3	3
14	0.6	1
15	2.4	2.4
16	0	0
IC106		
1	0	0
2	0	0
3	3	3
4	3	3
IC107		
1	0	0
2	3	3
3	3	3
4	0	0
5	0	0
6	0	0.6
7	0.7	0
8	3	3
IC1801		
1	3	3
2	0	0
3	4.8	4.8
Q101		
E	11	11
C	0	11.1
B	10.3	10.3
Q102		
E	0	0
C	3.2	3.3
B	3	3
Q103		
E	0	0
C	0	4.8
B	0.7	0

MODE PIN NO.	REC	PLAY
Q104		
E	0	0
C	4.9	4.9
B	0	0
Q105		
E	0	0
C	-0.5	-0.4
B	5.1	5
Q110		
E	0	0
C	0	0
B	3	3
Q111		
E	0	0
C	0	0
B	3	3
Q112		
E	0	0
C	2.2	2.2
B	0	0
Q113		
E	-	-
C	-	-
B	-	-

<MECHA MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	1.3	1.3
3	1.3	1.3
4	0	0
5	1.3	1.3
6	0	0
7	0	0
8	0	0
9	0.4	0
10	0	0
11	0	0
12	0	0.4
13	0	0
14	11	11.1
15	0	0
16	0.6	0.6
17	0	0
18	0.7	0.6
19	0	0
20	0.6	0.6
21	0	0
22	0	0
23	1.4	1.3
24	11.1	11.1
25	2.4	2.4
26	2.4	2.4
27	2.4	2.4
28	2.4	2.4
29	2.4	2.4
30	0	2.4
31	1.6	1.6
32	2.4	2.4
33	2.1	2.4
34	2.4	2.4
35	4.8	4.8
36	3	3
37	0.8	0.8
38	0	0.7
39	0.7	0.7
40	0	1.2
41	1.6	1.6
42	4.8	4.8
43	4.8	4.8
44	0	0
45	0	0
46	0	0
47	3	3
48	0	0

MODE PIN NO.	REC	PLAY
49	0.6	1
50	2	1.9
51	0	0
52	1.5	1.5
53	1.2	1.2
54	4.8	4.8
55	0.7	0.7
56	0.7	0.7
57	1.1	1.1
58	0.7	0.7
59	0	0
60	1.6	0
61	2.9	2.9
62	1.8	1.8
63	2.3	2.3
64	2.4	2.3
65	2.4	2.3
66	2.4	2.3
67	1.6	1.6
68	0.9	0.9
69	0	0
70	1.3	1.3
71	1.3	1.3
72	0	1.3
73	1.3	1.3
74	1.1	1.2
75	0.4	0.5
76	3.9	3.9
77	11.1	11
78	2.7	2.7
79	0	0
80	0	0

<VTR DSP>

MODE PIN NO.	REC	PLAY
IC3001		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	1.9	1.9
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	3.3	3.2
14	1.9	1.9
15	0	0
16	0	0
17	3.2	3.2
18	1.5	1.5
19	1.5	1.5
20	0	0
21	1.3	1.3
22	1.3	1.3
23	1.3	1.3
24	0	0
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	1.5	1.5
31	3	3
32	3	3
33	0.6	1
34	3.2	3.2
35	3.2	3.2
36	3.2	3.2
37	0	0
38	0	0
39	0	0
40	0	0
41	0	0
42	0	0
43	0	0
44	1.5	0
45	1.5	0
46	1.3	1.2
47	1.1	1.9
48	0.7	1.9
49	0.8	1.9
50	1	1.8
51	1.1	1.6
52	2.3	1.6
53	1.9	0
54	2	1.5
55	1.1	1.5
56	2.4	0
57	2.9	2.8
58	1.6	1.6
59	1.5	1.6
60	1.4	1.3
61	3.2	3.2
62	1.3	1.6
63	1.2	1.6
64	2	1.7
65	1.5	1.8
66	0.6	1.9
67	0.5	0.6
68	2	2
69	1.4	1.4
70	1.9	1.9
71	0	0
72	0	0
73	0	0
74	0	0
75	0	0
76	0	0
77	1.3	1.5
78	1.3	1.6

MODE PIN NO.	REC	PLAY
79	1.3	1.7
80	1.4	1.4
81	0	0
82	0	0
83	0	0
84	0	0
85	1.6	1.6
86	1.5	1.5
87	2.9	2.9
88	3.2	3.2
89	0	0
90	1.6	1.5
91	1.6	1.6
92	1.4	1.4
93	0	0
94	0	0
95	0	0
96	0	0
97	0	0
98	0	0
99	0	0
100	0	0
101	0	0
102	0	0
103	0	0
104	0	3.2
105	3.2	3.2
106	0	0
107	0	0
108	0	0
109	3.2	3.2
110	3.2	3.2
111	0	0
112	1.9	1.9
113	1.9	1.9
114	0	0
115	3.2	3.2
116	0	0
117	0.9	0.9
118	1.6	1.6
119	2	2
120	0	0
121	0	0
122	0.8	0
123	3.2	3.2
124	0	0
125	0	0
126	1.1	0
127	1.9	3.2
128	1.9	1.9
129	1.9	0
130	0	1
131	3.2	0
132	3.2	3.2
133	0.7	1.5
134	0.7	1.5
135	2.2	2.2
136	3.2	3.2
137	0.8	0.5
138	3.2	3.2
139	0	0
140	0	0
141	1.5	1.5
142	3.2	3.2
143	3.2	3.2
144	3.2	3.2
IC3002		
1	0	0
2	1.5	1.5
3	0	0
4	1.6	1.6
5	3.2	3.2
Q3002		
1	0.8	0.8
2	1.4	1.4
3	3.2	3.2
4	2.2	2.2
5	2.9	2.9
6	3.2	3.2

MODE PIN NO.	REC	PLAY
Q3003		
E	1.9	1.9
C	2	2
B	2.6	2.6
Q3006		
E	0	0
C	0	2.8
B	0	0

<SPEAKER>

MODE PIN NO.	REC	PLAY
IC2401		
1	1.3	1.3
2	3.2	3.2
3	1.3	1.3
4	0	0
5	0.6	0.6
6	0	0
7	0	0
8	0.6	0.6
Q2401		
E	0	0
C	3.2	3.2
B	0	0
Q2402		
E	3.2	3.2
C	0.6	0.6
B	3.2	3.2

<VTR DSP>

MODE PIN NO.	REC	PLAY
IC2001		
1	1.4	3.2
2	1.5	0
3	1.5	0
4	1.5	3.2
5	1.5	3.2
6	1.4	0
7	0	0
8	1.4	0
9	1.5	3.2
10	1.4	0
11	1.5	3.2
12	1.5	0
13	1.5	3.2
14	3	3.2
IC3501		
1	2.2	2.2
2	2.3	2.4
3	2.2	2.2
4	2.2	2.2
5	2.4	2.3
6	2.2	2.2
7	4.8	4.8
8	2.2	2.2
9	2.3	2.4
10	2.2	2.2
11	2.2	2.2
12	2.3	2.2
13	2.2	2.2
14	0	0
15	3	0
16	2.9	1.2
17	4	5.2
18	0	0
19	2.9	0
20	2.8	0
21	1	0
22	1	2.2
23	2.1	2.1
24	4.7	4.8
25	2.4	2.4
26	0	3
27	2.5	2.5
28	2.9	2.9
29	0	0
30	1.5	1.5
31	3	3
32	0.6	0.9
33	3	3
34	1.9	1.8
35	1.8	0
36	0	0
37	2.6	2.3
38	3	3
39	4.8	4.8
40	2.4	2.1
41	2.3	2.1
42	2.8	2.8
43	2.8	2.5
44	2.7	2.5
45	2.5	2.4
46	2.3	2.5
47	0	0.4
48	2.5	2.5
49	2.5	2.5
50	0	0
51	2.5	2.5
52	2.5	2.5
53	2.5	2.5
54	4.7	4.7
55	2.5	2.5
56	0	1.4
Q2001		
E	3	3.2
C	1.4	3.2
B	3	0
Q2007		
1	-10.5	0
2	-16.6	0.7

MODE PIN NO.	REC	PLAY
3	0	0
4	-10.5	0
5	-16.6	0.7
6	0	0
Q2008		
1	3	1.8
2	3	1.2
3	3	1.2
4	3	1.7
5	3	1.2
6	-16.6	0.8
Q2021		
E	0	0
C	0	0
B	0	0
Q2022		
E	0	0
C	0	0
B	0	3
Q2023		
E	0	0
C	0	0
B	0	0
Q2071		
E	4.4	4.4
C	4.7	4.7
B	4.7	4.7
Q3501		
1	2.2	2.2
2	2.3	2.4
3	2.2	2.2
4	2.2	2.2
5	2.3	2.3
6	2.2	2.2
Q3502		
1	2.2	2.2
2	2.3	2.3
3	2.2	2.2
4	2.2	2.2
5	2.3	2.4
6	2.2	2.2
Q3505		
E	0	0
C	2.9	2.9
B	0	0
Q3901		
1	4.6	4.7
2	4	5.2
3	0	5.2
4	4.6	4.8
5	4	5.3
6	0	0

<DSP>

MODE PIN NO.	REC	PLAY
IC4001		
1	3	3
2	1.6	1.6
3	0	0
4	0	0.9
5	3	3
6	3	3
7	1.1	1.3
8	1.1	1.2
9	1.1	1.2
10	3.2	3.2
11	1	1.1
12	1	1.2
13	1	1.1
14	1	1.2
15	0	0
16	1	1.1
17	1	1.2
18	1	1.2
19	2	2
20	1.1	1.1
21	1.1	1.1
22	1.1	1.2
23	1	1.2
24	1	1.2
25	1	1.2
26	0	0
27	2	2
28	0	0
29	0	0
30	1.6	1.6
31	-	-
32	0	0
33	3	3
34	2	2
35	3.1	3.1
36	0	0
37	3.2	3.2
38	0	0
39	0	0
40	1.5	1.5
41	0.9	1.2
42	0.9	1.2
43	3.2	3.2
44	1	1.2
45	1	1.3
46	1	1.3
47	1	1.3
48	1	1.3
49	1	1.3
50	0	0
51	1.1	1.2
52	1.1	1.2
53	1.2	1.2
54	1.2	1.2
55	1.4	1.5
56	1.5	1.6
57	0	0
58	0	0
59	3.2	3.2
60	0	0
61	3.2	3.2
62	1.4	0
63	1.2	0
64	1.1	1.4
65	1.1	1.6
66	0.6	1.6
67	0.9	1.5
68	1	1.5
69	0.6	1.5
70	2.1	0
71	2	1.5
72	0	0
73	2	2
74	2	1.5
75	1	1.5
76	1.5	1.5
77	1.6	1.6
78	2.9	2.9

MODE PIN NO.	REC	PLAY
79	2	2
80	2.4	2.4
81	1.3	1.9
82	1.2	1.8
83	2.1	1.9
84	1.5	1.9
85	0	0
86	2	2
87	0.9	1.9
88	0.6	1.9
89	2.1	2
90	1.3	1.8
91	1.3	1.6
92	1.1	1.6
93	1.3	1.6
94	1.4	1.5
95	1.6	1.6
96	0	0
97	3.2	3.2
98	1.5	1.5
99	1.7	1.7
100	1.9	1.6
101	1.9	1.6
102	1.8	1.6
103	1.3	1.6
104	1.2	1.5
105	1.4	1.4
106	1.3	1.3
107	0	0
108	1.5	1.8
109	1.4	1.8
110	1.6	1.9
111	1.6	1.8
112	1.2	1.6
113	1.8	1.3
114	3.2	3.2
115	1.8	1.5
116	1.4	1.6
117	0.8	1.5
118	0.7	1.5
119	0	0
120	0.9	1.5
121	0.8	0.8
122	1	1.5
123	2	2
124	1	1.6
125	1.2	1.6
126	1.3	1.5
127	1.5	1.5
128	0	0
129	0	0
130	0	0
131	2	2
132	0	0
133	3	3
134	2.6	2.6
135	2.6	2.6
136	2.6	2.7
137	3.2	3.2
138	2	2
139	0	0
140	0	1.4
141	0.5	1.6
142	0	0
143	0.7	1.6
144	0.8	1.6
145	2.3	1.6
146	0.8	1.6
147	3.2	3.2
148	0.8	1.5
149	1.1	1.6
150	1.2	1.6
151	1.2	1.6
152	1.5	1.6
153	1.3	1.3
154	0	0
155	2.9	0
156	3.1	0
157	0	0

MODE PIN NO.	REC	PLAY
158	3.2	3.2
159	2.5	2.5
160	1.1	1.1
161	1.1	1.1
162	0.7	0.8
163	0	0
164	1.1	1.1
165	1.1	1.1
166	0.7	0.7
167	0.9	0.9
168	0	0
169	2.5	2.5
170	0	0
171	0	0
172	1.1	1.1
173	1.1	1.1
174	0	0
175	0.9	0.8
176	0.9	0.8
177	2.5	2.5
178	1.1	1.2
179	1.1	1.1
180	1.2	1.2
181	0	0
182	2.5	2.5
183	2	2
184	3.2	3.2
185	3	3
186	0	0
187	0	0
188	3.2	3.2
189	0	0
190	2	2
191	3.2	3.2
192	3.2	3.2
193	1.3	1.3
194	3.1	1.3
195	3	3.1
196	1.5	3
197	0	1.4
198	0	0
199	0	0
200	0	0
201	3.2	3.2
202	0	0
203	0	0
204	0	0
205	0	0
206	0	0
207	3.2	3.2
208	0	0
IC4002		
1	0	0
2	0	0
3	1.4	1.3
4	1.2	1.7
5	1.1	1.4
6	1.1	1.3
7	0.7	0.7
8	1.1	0.9
9	1	1
10	0.9	1.1
11	1.4	1.1
12	1.7	1.5
13	1.8	1.3
14	1.3	1.4
15	1.5	1.5
16	0	0
17	2.6	2.6
18	3	3
19	3.2	3.2
20	0	0
21	3.2	3.2
22	2.7	2.7
23	2.6	2.6
24	0	0
25	1.5	1.6
26	1.7	1.5
27	1.9	1.7

MODE PIN NO.	REC	PLAY
28	1.9	1.7
29	1.9	1.8
30	1.4	1.5
31	1.5	1.4
32	1.6	1.5
33	1.2	1.4
34	1.6	1.2
35	1.5	1.5
36	1.7	1.9
37	1.5	1.5
38	0	0
IC4003		
1	2.9	2.9
2	2.4	2.2
3	2.6	2.5
4	3	3
5	3.2	3.2
6	0	0
7	1.3	1.3
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	3.1	3.1
20	3	3
IC5201		
1	0	0
2	1.2	1.6
3	1.2	1.6
4	1.1	1.6
5	0.8	1.5
6	0.8	1.5
7	2.2	1.6
8	0.8	1.6
9	0.7	1.6
10	0.6	1.6
11	0	1.4
12	0	0
13	0	0
14	0	0
15	3.1	3.1
16	1.6	1.5
17	3	0
18	2.7	0
19	2.7	0
20	2.5	0
21	0	0
22	0	0
23	3.2	3.1
24	0	0
25	0	0
26	2.1	-
27	1.5	1.5
28	2.1	0
29	2.1	0
30	0	0
31	3.1	3.1
32	2.1	2.1
33	1	1
34	1.5	1.5
35	1.3	1.2
36	0	0
37	0	0
38	3.1	3.2
39	0	0
40	0	0
41	3.1	3.2
42	0	0
43	0	3
44	3	3
45	0.6	1
46	3.1	3.2

MODE PIN NO.	REC	PLAY
47	0	0
48	0	0
IC5202		
1	3.1	3.1
2	3.1	3.1
3	1.5	1.6
4	3	0
5	3	0
6	0	0
7	0	0
8	1.6	1.6
9	3.1	3.1
10	1.5	1.6
11	1	1.3
12	1.6	0
13	3.1	3.2
14	0	0
15	2.7	0
16	2.7	0
17	2.5	0
18	0	0
19	3.1	3.2
20	3.1	3.2
21	1.6	0
22	1.3	0
23	0	0
24	0	0
25	0	0
26	0	0
27	0	0
28	0	0
29	-7.3	0
30	0	14.9
31	14.9	14.8
32	-7.3	14.9
33	-7.8	14.8
34	-7.8	-8.2
35	0	0
36	0	0
37	3.1	0
38	0	0
39	3	0
40	0.6	0.9
41	0	0
42	3.1	3.1
43	0	0
44	3.1	3.2
45	0	0
46	3	0
47	2.9	0
48	3.1	0

<IRIS & AF/ZOOM>

MODE PIN NO.	REC	PLAY
IC4201		
1	2.2	2.8
2	1.6	0.4
3	1.6	0.4
4	0	0
5	1.9	1.9
6	1.9	1.9
7	1.9	1.9
8	4.8	4.8
IC4202		
1	1.3	0
2	1.3	0
3	1.3	0
4	4.8	4.8
5	1.9	1.9
6	1.9	1.9
7	1.3	0.4
8	2.5	2.5
9	1.9	1.9
10	1.9	1.9
11	0	0
12	0.4	0.4
13	0.4	0.4
14	0.9	1
IC4251		
1	2	1.9
2	2	2
3	2	1.9
4	0	0
5	2	1.9
6	1.9	1.9
7	1.7	1.6
8	4.8	4.8
IC4501		
1	0	0
2	0.7	0.8
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	3.2	3.2
9	4.8	4.8
10	0	0
11	0	0
12	0.4	0
13	4.8	4.8
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	-	0
23	4.8	4.8
24	-	-
25	0	0
26	-	0.4
27	4.8	4.8
28	0.8	0
29	0	0
30	3.5	0
31	0	0
32	0	0
33	0	0
34	0.6	0.9
35	3	3
36	1.5	1.5
37	1.5	1.5
38	3	3
Q4201		
E	0.4	0.4
C	1.2	1.2
B	1	1

MODE PIN NO.	REC	PLAY
Q4251		
E	0	0
C	4.4	4.5
B	-	-
Q4501		
E	0	0
C	3.9	4
B	0	0

<VIDEO OUT>

MODE PIN NO.	REC	PLAY
IC4702		
1	2.4	2.4
2	3.2	3.2
3	2.4	2.4
4	3	3
5	2.3	2.4
6	4.8	4.8
7	1.6	1.6
8	0	0
Q4701		
1	0.7	0.7
2	1.3	1.3
3	2.4	2.3
4	0.6	0.7
5	1.3	1.3
6	1.3	1.3
Q4702		
E	1.8	1.8
C	4.8	4.8
B	2.4	2.4
Q4703		
1	0	0
2	0	0
3	4.8	4.8
4	0	0
5	0.9	0.9
6	4.8	4.8
Q4704		
1	0.9	0.9
2	0	0
3	-3.1	-3.1
4	0	0
5	0	0
6	-3.1	-3.1
Q4705		
E	0.7	0.7
C	3.3	3.3
B	1.3	1.3
Q4706		
E	2.6	2.6
C	4.8	4.8
B	3.2	3.3
Q4707		
E	1.8	1.8
C	4.8	4.8
B	2.4	2.4
Q4708		
E	1.2	1.2
C	4.8	4.8
B	1.8	1.8
Q4709		
E	1.2	1.2
C	2.1	2.1
B	1.8	1.8
Q4710		
E	2	2
C	4.8	4.8
B	2.6	2.6
Q4711		
1	0	0
2	0	0
3	4.8	4.8
4	0	0
5	0.9	0.8
6	4.8	4.8

MODE PIN NO.	REC	PLAY
Q4712		
1	0.8	0.9
2	0	0
3	-3.1	-3.1
4	0	0
5	0	0
6	-3.1	-3.1
Q4713		
1	0	0
2	0	0
3	4.8	4.8
4	0	0
5	0.9	0.9
6	4.8	4.8
Q4714		
1	0.8	0.9
2	0	0
3	-3.1	-3.1
4	0	0
5	0	0
6	-3.1	-3.1
Q4715		
1	0.7	0.7
2	1.4	1.3
3	2.4	2.4
4	0.7	0.7
5	1.4	1.4
6	1.4	1.3
Q4716		
E	0	0
C	0.7	0.7
B	0	0
Q4717		
E	3.2	3.2
C	0	0
B	3	3

<REG>

MODE PIN NO.	REC	PLAY
IC6001		
1	3.1	3.1
2	3	3
3	3	3
4	3	3
5	-	-
6	0	0
7	1.3	0
8	11	1.2
9	1	1
10	1.3	1.3
11	2.2	1
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.2	2.2
20	1	1
21	0	0
22	2.2	2.2
23	1	1
24	0.6	0.6
25	1	1
26	0.6	0.6
27	1	1
28	0	0
29	1	1
30	0.8	0.8
31	0	0
32	0	0
33	0.6	0.6
34	0	0
35	0	0
36	0.5	0.5
37	0.8	0.8
38	0	0
39	1	1
40	0	0
41	2.4	2.4
42	1.1	1.1
43	0	0
44	2.1	2.2
45	2.2	2.2
46	2.2	2.2
47	6.3	6.3
48	1	1
49	1	1
50	10.6	10.8
51	11	11
52	0	0
53	9.7	9.7
54	8.4	8.4
55	6.3	6.3
56	6	6
57	9	9
58	7.8	7.8
59	0	0
60	11	11
61	0	0
62	10.3	10.3
63	1.2	1.2
64	1	1
Q6101		
1	3.2	3.2
2	3.2	3.2
3	7.8	7.8
4	11	11
5	3.2	3.2
6	3.2	3.2
Q6106		
1	0.4	0.4
2	0.9	0.9
3	0.6	0.6
4	0.4	0.4
5	1	1
6	3.2	3.2

MODE PIN NO.	REC	PLAY
Q6107		
E	3.2	3.2
C	2.5	2.5
B	0.6	0.6
Q6201		
1	2	2
2	2	2
3	9	9
4	11	11
5	2	2
6	2	2
Q6301		
G	6	6
D	4.9	4.9
S	11	11
Q6306		
G	0	0
D	0	0
S	0	0
Q6307		
E	0	0
C	4.8	4.8
B	0	0
Q6308		
E	4.8	4.8
C	0	0
B	4.8	4.8
Q6401		
1	2.8	2.7
2	2.8	2.7
3	8.3	8.4
4	11	11.1
5	2.8	2.7
6	2.8	2.7
Q6501		
1	1.5	1.3
2	1.5	1.3
3	9.5	9.7
4	11.1	11.1
5	1.5	1.3
6	1.5	1.3
Q6601		
G	10.8	6
D	3.2	4.9
S	11	11.1
Q6608		
E	0	0
C	14.9	14.8
B	-0.9	-0.9
Q6621		
1	4.2	4.2
2	5.4	5.5
3	14.5	14.6
4	4.2	4.2
5	4.7	4.7
6	14.8	14.8
Q6622		
E	14.8	14.8
C	12.3	12.3
B	14.6	14.6
Q6701		
1	11	11.1
2	11	11.1
3	0	0
4	0	0
5	0	0
6	0	0
Q6702		
E	0	0
C	0	0
B	0	0
Q6801		
E	11	11
C	3.2	3.2
B	10.8	10.8
Q6811		
E	11	11
C	3.1	3.1
B	10.4	10.4

<LCD CTL>

MODE PIN NO.	REC	PLAY
IC7002		
1	1.1	1.1
2	3	3
3	0	0
4	2.9	2.9
5	3.1	3.1
6	3	3
7	3.1	3.1
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	1.6	1.6
15	0	0
16	0.5	0.5
17	1.1	1.1
18	1.1	1.1
19	1.1	1.1
20	0	0
21	0	0
22	1.6	1.6
23	0	0
24	0	0
25	1.4	1.4
26	0	0
27	1.4	1.4
28	0	0
29	1.4	1.4
30	0	0
31	0	0
32	0	0
33	1.7	1.7
34	0	0
35	3.2	3.2
36	1.6	1.5
37	1.5	1.5
38	0	0
39	3	3
40	0	0
41	3.2	3.2
42	0	0
43	0	0
44	0	0
45	0	0
46	3.2	3.2
47	3.2	3.2
48	0	0
IC7006		
1	7.4	7.4
2	7.4	7.4
3	7.4	7.4
4	0	0
5	1.7	1.7
6	1.7	1.7
7	8	8
8	14.8	14.8
IC7007		
1	0	0
2	0	0
3	0	0
4	2.8	2.8
5	3.2	3.2
IC7008		
1	0	0
2	3.1	3.1
3	3.1	3.1
4	3.1	3.1
5	0	0
6	0	0
7	0	0
8	0	0
9	3	3
10	0	0
11	0.4	0.4
12	1.4	1.4
13	1.4	1.4
14	0.4	0.4

MODE PIN NO.	REC	PLAY
15	1.4	1.4
16	3.2	3.2
Q7003		
1	0.9	0.9
2	0.5	0.5
3	3.2	3.2
4	2.6	2.6
5	3.2	3.2
6	3.2	3.2
Q7011		
1	0.8	0.8
2	1.4	1.4
3	4.8	4.8
4	2.2	2.2
5	2.8	2.8
6	2.8	2.8
Q7013		
1	0.9	0.9
2	1.4	1.4
3	4.8	4.8
4	2.3	2.3
5	2.9	2.9
6	2.9	2.9
Q7015		
1	0.9	0.9
2	1.4	1.4
3	4.8	4.8
4	2.3	2.3
5	2.9	2.9
6	2.9	2.9
Q7017		
E	-10.3	-10.3
C	0	0
B	-9.8	-9.8
Q7018		
E	-9.3	-9.3
C	-14.7	-14.7
B	-9.8	-9.8
Q7019		
E	-9.8	-9.8
C	-1.3	-1.3
B	-9.3	-9.3
Q7020		
E	-9.9	-9.9
C	-14.4	-14.4
B	-10.3	-10.3
Q7022		
E	0	0
C	2.9	2.9
B	0	0

<CCD>

MODE PIN NO.	EE
IC5301	
1	-7.3
2	-7.3
3	0
4	0
5	0
6	0
7	11.2
8	14.9
9	0
10	6.9
11	-7.8
12	6.8
13	1.6
14	1.2
Q5301	
E	10.4
C	14.8
B	11.2

<MONITOR>

MODE PIN NO.	EE
IC7501	
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
Q7501	
E	0
C 4.4	
B	0.4
Q7502	
E	0
C	4.4
B	0.4
Q7503	
E	4.6
C	4.5
B	0
Q7504	
E	0
C	0
B	0.7
Q7507	
E	3.2
C	0
B	3

<E. VF>

MODE PIN NO.	EE
IC1	
1	2.1
2	4.8
3	2.2
4	2.2
5	0
6	1.3
7	2.1
8	4.5
9	4.2
10	0
11	1.9
12	4.4
13	1.8
14	1.8
15	1.8
16	3
Q1	
E	2.4
C	-16
B	1.8
Q2	
E	0
C	4.4
B	0
Q3	
E	0
C	0
B	0.4

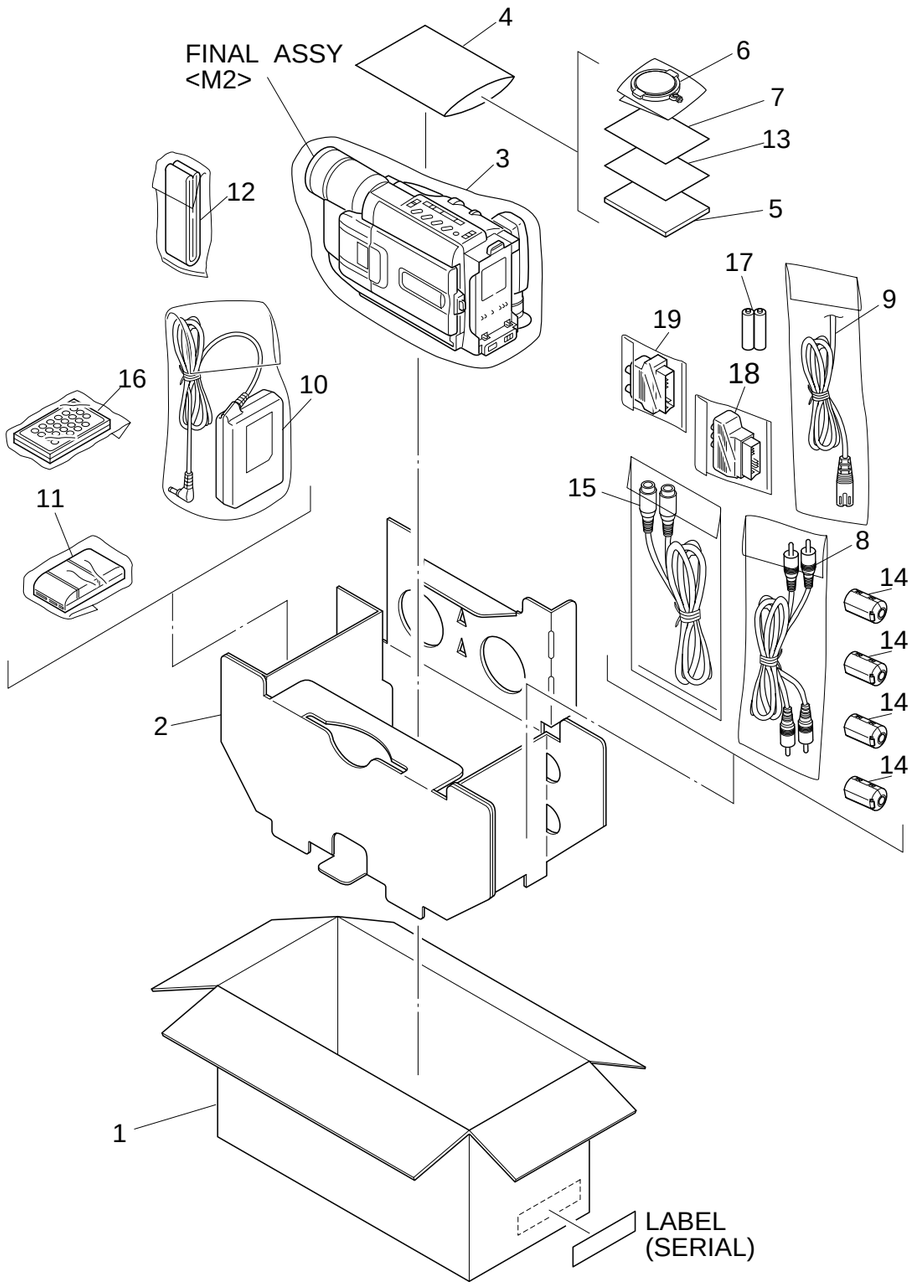
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

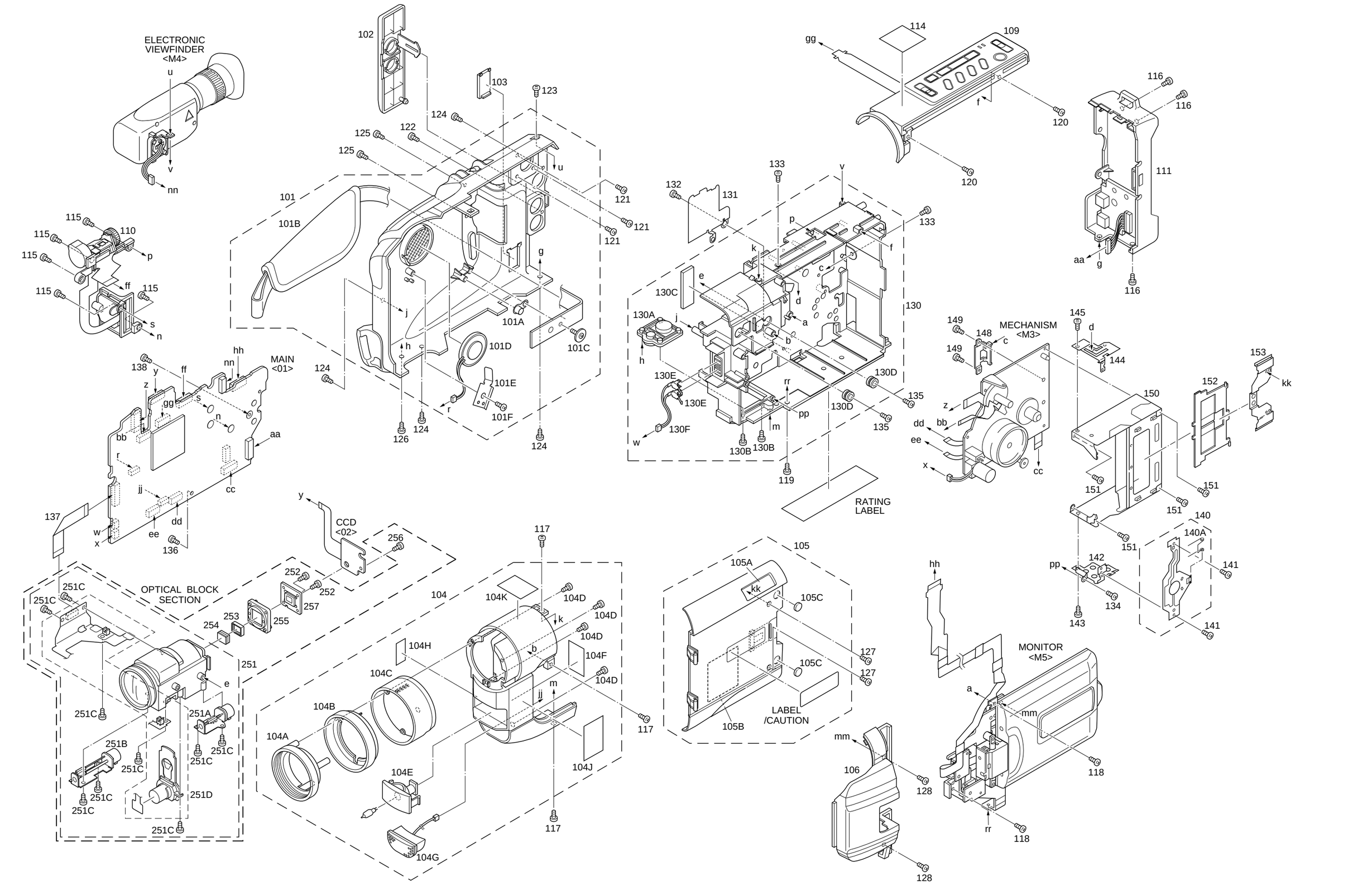
PACKING AND ACCESSORY ASSEMBLY <M1>

		1	LY32179-002A	PACKING CASE,A
			LY32179-004A	PACKING CASE,B,C
		2	LY32065-001A	CUSHION
		3	LY30023-002A	POLY BAG
		4	YQM30061-3	POLY BAG,C
			QPA02003506	POLY BAG,A,B
	⚠	5	LYT0671-002A	IB(GE),A,B
	⚠		LYT0671-003A	IB(FR),A,B
	⚠		LYT0671-004A	IB(DU),A,B
	⚠		LYT0671-005A	IB(SP),A,B
	⚠		LYT0671-006A	IB(IT),A,B
	⚠		LYT0671-007A	IB(DA),A,B
	⚠		LYT0671-008A	IB(FI),A,B
	⚠		LYT0671-009A	IB(SW),A,B
	⚠		LYT0671-010A	IB(NO),A,B
	⚠		LYT0671-011A	IB(RU),A,B
	⚠		LYT0671-012A	IB(CZ),A,B
	⚠		LYT0671-013A	IB(PO),A,B
	⚠		LYT0671-014A	IB(HU),A,B
	⚠		LYT0672-001A	IB(EN),C
		6	LY41538-002B	LENS CAP
		7	BT-54008-2	GUARANTY CARD,C
			BT-54013-1	WARRANTY CARD,A,B
		8	PEAC0362-150	CABLE ASSY(AUDIO/VIDEO)
	⚠	9	QMPL120-190-JR	POWER CORD,A,B
	⚠		QMPP110-190-JR	POWER CORD,C
	⚠	10	LY20688-001A	AC ADAPTER,AP-V10EG
	⚠	11	LY31199-001A	BATTERY PACK,BN-V20BU,B,C
	⚠		YQ10629E	BATTERY PACK,BN-V11U,A
		12	LY20186-001A	SHOULDER STRAP
		13	LYT0194-001A	Q.CARD(JUK),C
		14	QQR0491-002	CORE FILTER,X3 A
			QQR0491-002	CORE FILTER,X4 B,C
		15	QAM0004-003	S CABLE,S-VIDEO CABLE,B,C
		16	LY42129-001A	REMOTE CONTROL UNIT,RM-V715U,B,C
		17	–	AAA(R03)BATTERY,X2 B,C
		18	QAM0302-001	ADAPTER PLUG,B,C
		19	PEMC1174	CONNECTOR,CABLE ADAPTER,A

- **INSTRUCTIONS**
  - EN..... ENGLISH
  - GE ..... GERMANY
  - FR..... FRENCH
  - DU ..... DUTCH
  - SP..... SPANISH
  - IT ..... ITALIAN
  - DA..... DANISH
  - FI ..... FINNISH
  - SW..... SWEDISH
  - NO ..... NORWEGIAN
  - RU ..... RUSSIAN
  - CZ..... CZECH
  - PO ..... POLISH
  - HU ..... HUNGARIAN

MODEL	MARK
GR-FXM37EG	A
GR-SXM607EG	B
GR-SXM607EK	C

5.2 FINAL ASSEMBLY <M2>



# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

****

FINAL ASSEMBLY <M2>

101	LY20684-005A	LOWER CASE ASSY,A
	LY20684-008A	LOWER CASE ASSY,B,C
101A	LY40081-001A	CAP
101B	LY20682-001A	GRIP BELT
101C	LY30018-003A	SPECIAL SCREW
101D	QAS0061-001	SPEAKER
101E	LY42764-001B	HOLDER(SPEAKER)
101F	QYSLSF2060D	SCREW
102	LY31945-001B	COVER(JACK)
103	LY31946-001A	COVER(JIG)
104	LY20683-014A	FRONT COVER ASSY,B,C
	LY20683-013A	FRONT COVER ASSY,A
104A	LY31937-001A	HOOD
104B	LY31938-001A	COVER(HOOD)
104C	LY31936-001A	RING
104D	QYSLSF2060D	SCREW,X4
104E	LY30934-020A	COVER(LIGHT),A
	LY32040-001A	DC LIGHT,B,C
104F	LY30029-0B4A	SPACER(A),B,C
104G	LY32043-001A	MICROPHONE
104H	YQ44341-6	CAUTION LABEL,B,C
104J	LY32058-001A	STICKER(A),A
	LY32058-002A	STICKER(A),B,C
104K	LY32060-001A	STICKER(C),A
	LY32060-002A	STICKER(C),B,C
105	LY20694-002A	CASS.COVER(M)ASSY
105A	LY42883-001A	MARK
105B	LY40559-001A	SHIELD SHEET
105C	LY40076-001A	SPACER,X2
106	LY10257-001A	UPPER CASE(M),B,C
	LY10257-005B	UPPER CASE(M),A
109	LY20614-002B	TOP OPE UNIT,B,C
	LY20614-014B	TOP OPE UNIT,A
110	LY20613-001A	ZOOM UNIT
111	LY20615-001A	REAR UNIT,B,C
	LY20615-004A	REAR UNIT,A
114	LY32061-001A	STICKER(D),B,C
	LY32061-003A	STICKER(D),A
115	QYSLSF2060D	SCREW,X5
116	QYSLSF2060D	SCREW,X3
117	QYSLSF2060D	SCREW,X3
118	QYSLSF2060D	SCREW,X2
119	QYSLSP2030D	SCREW
120	QYSLSF2060D	SCREW,X2
121	QYSLSF2060D	SCREW,X3
122	QYSLSF2060D	SCREW
123	QYSLSF2060D	SCREW
124	QYSLSF2060D	SCREW,X4
125	QYSLSF2060D	SCREW,X2
126	QYSLSF2060D	SCREW
127	QYSLSP2030D	SCREW,X2
128	QYSLSP2030D	SCREW,X2
130	LY20678-001A	FRAME ASSY,B,C
	LY20678-002A	FRAME ASSY,A
130A	YQ31843	BASE
130B	QYSLSF2060D	SCREW,X2
130C	LY30029-0A4A	SPACER(A)
130D	LY41082-001A	CUSHION(OP),X2

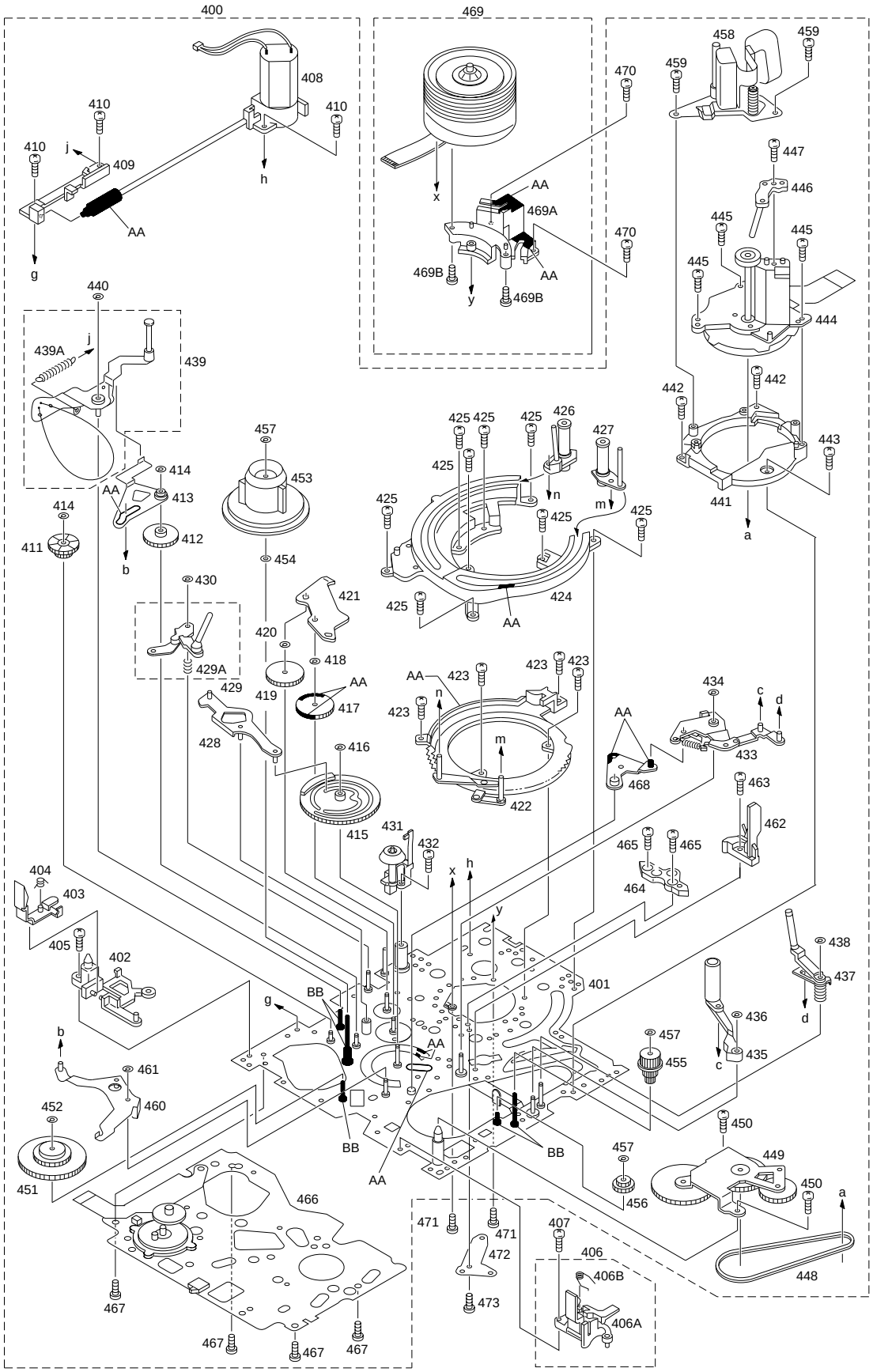
# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
130E	YQ43810-1-1	CONTACT(LIGHT),X2 B,C
130F	WJM0167-001A	E-SI C WIRE C-F,B,C
131	LY42758-001A	S.CASE(MAIN)
132	QYSPSTU1725M	SCREW
133	LY41173-001A	SPECIAL SCREW,X2
134	QYSLSF1750D	SCREW
135	LY30018-050A	SPECIAL SCREW,X2
136	QYSLSF2060D	SCREW
137	WJT0039-001A	E-CARD WIRE,OP-MAIN CN15
138	QYSLSF2060D	SCREW,B,C
140	LY31790-001A	FRONT FRAME ASSY
140A	YQ44144-1-1	TAPE GUIDE
141	SPSH1725M	SCREW,X2
142	LY31807-001A	SIDE BRACKET L
143	LY42722-003A	SCREW
144	LY31806-001A	SIDE BRACKET R
145	LY42722-003A	SCREW
148	LY31816-001A	BRACKET(MECHA)
149	LY42722-003A	SCREW,X2
150	LY31808-001A	CASS.HOUSING ASSY
151	LY42722-003A	SCREW,X4
152	LY30176-001A	CASS.COV.INSIDE
153	LY31956-001A	BRACKET(C.COV.)

– OPTICAL BLOCK SECTION –

251	LY30948-003A	OP BLOCK ASSY
251A	PTY30948-002	FOCUS MOTOR
251B	PTY30948-321	ZOOM MOTOR
251C	PTY30151-016	SCREW,X9
251D	PTY30948-006	IRIS MOTOR UNIT,INCL.FPC
252	QYSPSGU2080Z	SCREW,X2
253	LY31441-001A	SPACER RUBBER
254	LY41370-001A	OP LPF,B,C
	LY41757-001A	OPTICAL LPF,A
255	LY20086-001A	CCD SPACER,B,C
	LY20346-001A	CCD SPACER,A
256	LY30018-072A	SPECIAL SCREW
257	LYH40018-003A	CCD BASE ASSY,A
	LYH40018-004A	CCD BASE ASSY,B,C

5.3 MECHANISM ASSEMBLY <M3>

BEWARE OF BOGUS PARTS
Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.



Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

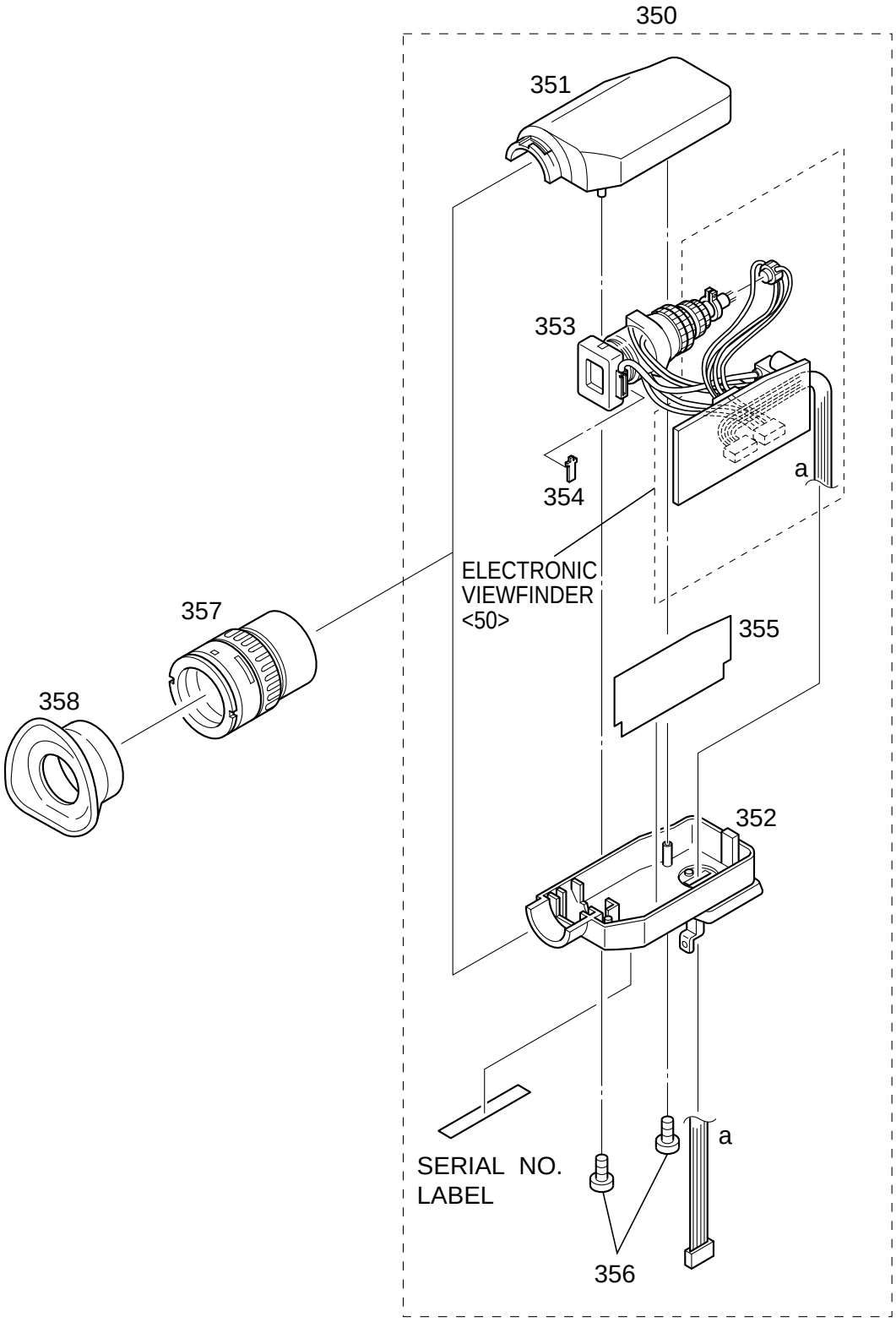
NOTE: The section marked in **AA** and **BB** indicate lubrication and greasing areas.

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻		

MECHANISM ASSEMBLY <M3>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
400	YMA0030A-E	MECHA(B)ASSY,A
	YMA0031A-E	MECHA(B)ASSY,B,C
401	LY20612-001A	MAIN DECK ASSY
402	LY31817-001A	CASS.GUIDE(L)
403	LY31815-001A	SW.LEVER(L)
404	LY42581-001A	TORSION SPRING
405	LY42722-001A	SCREW
406	YQ44339A-7	CASS.GUIDE(R)ASSY,B,C
406A	YQ32162-1-3	SW.LEVER(R),B,C
406B	YQ44340-1-4	TORSION SPRING,B,C
407	LY42819-001A	SCREW,B,C
408	LY31826-001A	MOTOR BRACKET ASSY
409	YQ20793	WORM BRACKET
410	LY42722-001A	SCREW,X3
411	LY31925-001A	WHEEL GEAR
412	LY42730-001A	MIDDLE GEAR
413	LY42521-001A	CANCEL LEVER ASSY
414	LY42754-003A	SLIT WASHER,X2
415	YQ20827-2-1	CONTROL CAM
416	PQM30017-25	SLIT WASHER
417	LY42733-001A	LOADING GEAR(T)ASSY
418	LY42754-003A	SLIT WASHER
419	LY42732-001A	LOADING GEAR(S)ASSY
420	LY42754-003A	SLIT WASHER
421	LY42403-001A	COVER PLATE
422	LY42452-001A	LOADING RING ASSY
423	LY42722-001A	SCREW,X4
424	LY10239-001A	GUIDE RAIL
425	LY42728-001A	SCREW,X8
426	LY30161-001B	POLE BASE(S)ASSY
427	LY30162-002A	POLE BASE(T)ASSY
428	LY42523-001A	DRIVE LEVER ASSY
429	LY42545-001A	SLANT ARM ASSY
429A	LY42547-001A	TOR.SPRING(S)
430	LY42754-003A	SLIT WASHER
431	LY42739-001A	ROLLER BASE ASSY
432	LY42722-001A	SCREW
433	LY42494-001A	LINK ARM ASSY
434	PQM30017-25	SLIT WASHER
435	LY40018-002A	PINCH ROLLER ARM ASSY
436	PQM30017-25	SLIT WASHER
437	LY42541-001A	TAKE-UP GUIDE ARM ASSY
438	LY42754-003A	SLIT WASHER
439	LY42571-001A	TENSION ARM ASSY
439A	LY42669-001A	TENSION SPRING
440	LY42754-003A	SLIT WASHER
441	YQ20797-1-5	MOTOR BASE
442	LY42722-001A	SCREW,X2
443	YQ44460	SCREW
444	QAR0116-001	CAPSTAN MOTOR
445	YQ44304	TAPPING SCREW,X3
446	LY42731-001A	SLANT POLE BASE ASSY
447	YQ44304	TAPPING SCREW
448	YQ43710-2	TIMING BELT
449	LY42678-001A	CENTER PULLEY UNIT
450	LY42722-002A	SCREW,X2
451	LY42670-001A	SUPPLY CLUTCH ASSY
452	LY42754-003A	SLIT WASHER
453	YQ31861-1-7	REEL DISC
454	LY42755-001A	WASHER
455	LY31924-001A	TAKE-UP GEAR
456	LY42738-001A	BRAKE SUB GEAR
457	LY42754-003A	SLIT WASHER,X3
458	LY42544-001A	A/C HEAD UNIT
459	SPSN1750Z	SCREW,X2
460	LY42517-001A	EJECT LEVER ASSY
461	LY42754-003A	SLIT WASHER
462	YQ31833-1-1	LED GUIDE
463	LY42722-001A	SCREW
464	LY42729-001A	DRUM SPACER
465	LY42722-001A	SCREW,X2
466	QSW0888-001	ROTARY ENCODER,A
	QSW0888-002	ROTARY ENCODER,B,C
467	LY42722-002A	SCREW,X4
468	LY31814-001A	LINK LEVER
469	YDV2099A	DRUM ASSY
469A	YDM1003-1-5	CATCHER
469B	QYSPSPU1735M	SCREW,X2
470	LY42722-001A	SCREW,X2
471	SPSH1740Z	SCREW,X2
472	YU42051	BRUSH
473	LY42722-003A	SCREW

5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

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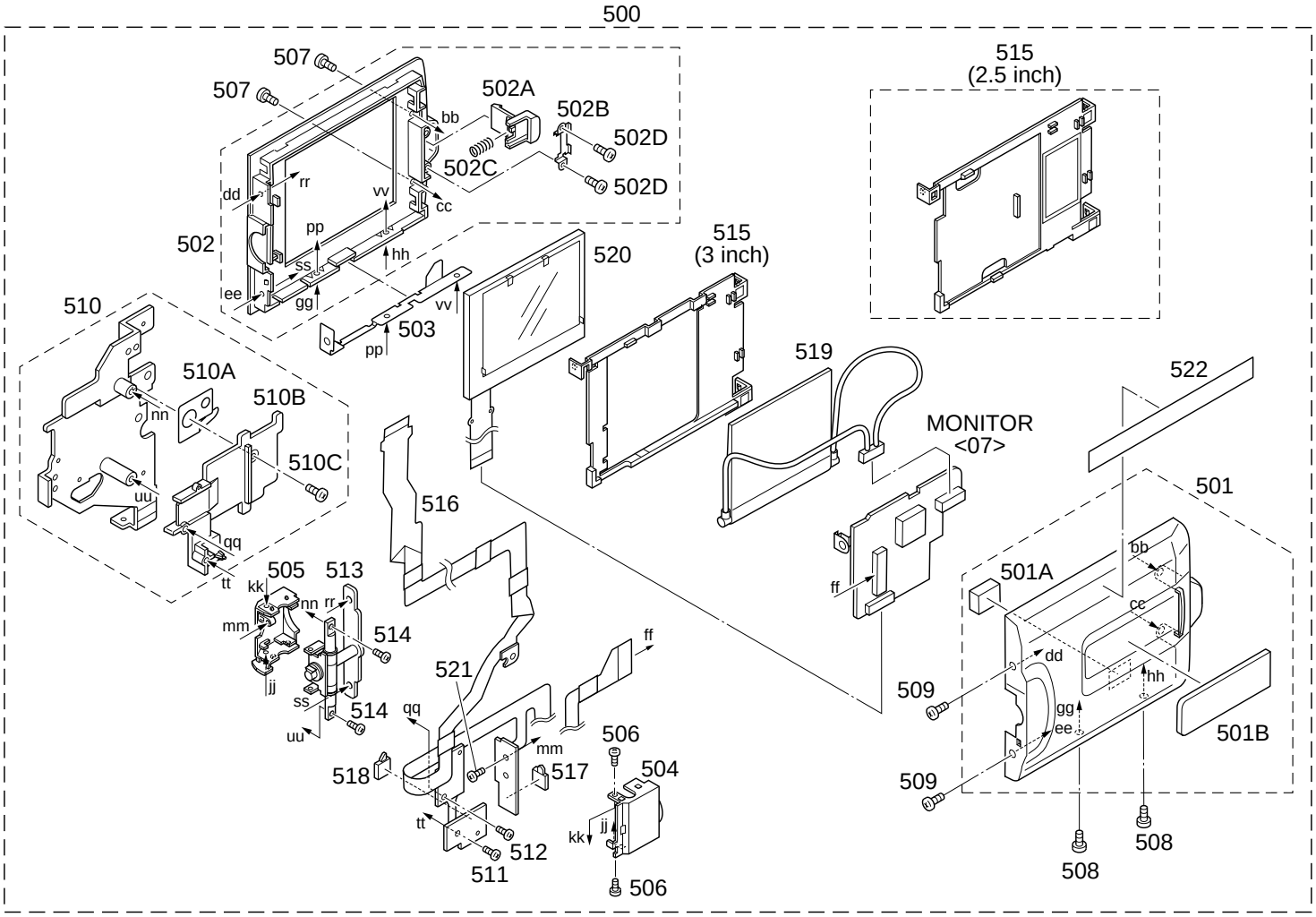
ELECTRONIC VIEWFINDER ASSEMBLY <M4>

	⚠	350	LY20686-001A	E.VF ASSY
	⚠	351	PTY20307-002	TOP CASE
	⚠	352	PTY20686-012	BOTTOM CASE ASSY
	⚠	353	YQ31803-001	CRY/DY ASSY
	⚠	354	YU30181-014	HV COVER
	⚠	355	PTY20307-100	INSULATOR
		356	YU30045-014	SCREW,X2
		357	PTY20307-200	LENS ASSY
		358	PTY20307-201	EYE CAP

5.5 MONITOR ASSEMBLY <M5>



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

MONITOR ASSEMBLY <M5>

	⚠	500	LYH20217-001A	MONITOR ASSY,B,C
	⚠		LYH20217-017A	MONITOR ASSY,A
	⚠	501	LY20679-001A	M.COVER ASSY,B,C
	⚠		LY20679-005A	M.COVER ASSY,A
		501A	LY30029-0B8A	SPACER(A)
		501B	LY32022-003A	WINDOW,A
			LY32022-004A	WINDOW,B,C
		502	LY32035-001A	M.CASE(3)ASSY,B,C
			LY32036-001A	M.CASE(2.5)ASSY,A
		502A	LY31954-001A	KNOB(LOCK)
		502B	LY42760-001A	BKT(LOCK)
		502C	LY30002-043A	COMPRES.SPRING
		502D	LY30018-063A	SPECIAL SCREW,X2
		503	LY31959-001A	BKT(M.CASE)
		504	LY31939-001A	HINGE COVER(U)
		505	LY31940-001A	HINGE COVER(L)
		506	LY30018-0C9A	SPECIAL SCREW,X2
		507	LY30018-011A	SPECIAL SCREW,X2
		508	LY30018-0C9A	SPECIAL SCREW,X2
		509	LY30018-0C5A	SPECIAL SCREW,X2
		510	LY32034-003A	BKT(UPPER)ASSY
		510A	LY42761-001A	EARTH PLATE
		510B	LY20652-003A	HOLDER
		510C	QYSLSP2025D	SCREW
		511	QYSLSF2040D	SCREW
		512	QYSLSP2070D	SCREW
		513	LY31957-001A	HINGE ASSY
		514	LY30018-090A	SPECIAL SCREW,X2
		515	LY20647-001A	HOLDER(3 PWB),B,C
			LY20672-001A	HOLDER(2.5PWB),A
		516	QAL0268-002	FPC
		517	NSW0095-001X	DETECT SWITCH
		518	NSW0105-001X	DETECT SWITCH
		519	QLL0093-001	BACK LIGHT,A
			QLL0094-001	BACK LIGHT,B,C
		520	QLD0118-001	LCD MODULE,B,C
			QLD0154-001	LCD MODULE,A
		521	LY30018-063A	SPECIAL SCREW
		522	LY32059-001A	STICKER(B),A
			LY32059-002A	STICKER(B),B,C

MODEL	MARK
GR-FXM37EG	A
GR-SXM607EG	B
GR-SXM607EK	C

5.6 ELECTRICAL PARTS LIST

MAIN BOARD ASSEMBLY <01>

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻				
		PW	YB10310EB-01	MAIN BOARD ASSY,B
			YB10310EH-01	MAIN BOARD ASSY,A
			YB10310EV-01	MAIN BOARD ASSY,C
		IC101	UPD703039-026	IC(MICRO C ROM),A
			or UPD70F3040-026	IC(MICRO C ROM),A
			UPD703039-027	IC(MICRO C ROM),B,C
			or UPD70F3040-027	IC(MICRO C ROM),B,C
		IC102	TC7S86FU	IC(DIGITAL)
			or SN74AHC1G86K	IC
			or MC74VHC1G86DF	IC
		IC104	AT25080N-10SC-X	IC
			or X25170S8I-2.5-X	IC
			or 25LC080-I/SN-X	IC
		IC105	M62367GP	IC
		IC106	IC-PST9327U-X	IC
		IC107	RS5C314	IC
	⚠	IC1601	BD6630KV	IC
		IC1801	PIC-26043S	IR DETECT UNIT,B,C
		IC2001	MC74AC04DT	IC
		IC2401	NJM2073M-XE	IC
		IC3001	JCY0130	IC
		IC3002	74HC1G04GW	IC
		IC3501	HA118224F	IC
		IC4001	JCY0149	IC
		IC4002	TMS4C2973-28-X	IC,B,C
		IC4003	UPD6467GR-506-X	IC(MICRO C ROM)
		IC4201	UPC358G2/5/-W	IC
		IC4202	BA10324AF-XE	IC
		IC4251	BA10358F-XE	IC
		IC4501	UPD16835G3	IC
		IC4702	NJM2534V	IC,B
		IC5201	HD49326BF	IC
		IC5202	JCY0098	IC
		IC6001	FA3698F	IC
		IC7002	MN5814	IC
		IC7006	BA4558F	IC
		IC7007	TC7S04FU	IC(DIGITAL),A
			or SN74AHC1G04K	IC,A
			or MC74VHC1G04DF	IC,A
		IC7008	SN74LV4052APW	IC
		Q101	2SA1774/RS/-X	TRANSISTOR
		Q102	DTC144EE	TRANSISTOR
		Q103	2SC4617/QR/-X	TRANSISTOR
		Q104	DTC144EE	TRANSISTOR
		Q105	2SA1774/RS/-X	TRANSISTOR
		Q110	DTC144EE	TRANSISTOR
		Q111	DTC114EE	TRANSISTOR
		Q112	DTC114EE	TRANSISTOR
		Q113	2SC4097/QR/-X	TRANSISTOR
		Q2001	DTA114TE	TRANSISTOR
		Q2007	PUMX1	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
			or UMX1N	PAIR TRANSISTOR
		Q2008	PUMT1	PAIR TRANSISTOR
			or HN1A01FU/G/-X	PAIR TRANSISTOR
		Q2021	DTC144EE	TRANSISTOR
		Q2022	DTC144EE	TRANSISTOR
		Q2023	2SC4617/QR/-X	TRANSISTOR
		Q2071	2SC4617/QR/-X	TRANSISTOR
		Q2401	DTC144EE	TRANSISTOR
		Q2402	DTA144EE	TRANSISTOR
		Q3002	PUMX1	PAIR TRANSISTOR
			or UMX1N	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
		Q3003	2SC4097/QR/-X	TRANSISTOR
		Q3006	DTC144EE	TRANSISTOR,B,C
		Q3501	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q3502	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q3505	DTC144EE	TRANSISTOR,B,C
		Q3901	HN1A01FU/G/-X	PAIR TRANSISTOR
		Q4201	2SC4617/QR/-X	TRANSISTOR
			or 2SC4738/YG/-X	TRANSISTOR,C
		Q4251	RPM-22PB	PHOTO TRANSISTOR
		Q4501	DTC114EE	TRANSISTOR
		Q4701	PUMX1	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
		Q4702	2SC4617/QR/-X	TRANSISTOR
			or 2SC4738/YG/-X	TRANSISTOR,C
		Q4703	PUMX1	PAIR TRANSISTOR
			or HN1C01FU/G/-X	PAIR TRANSISTOR
		Q4704	PUMT1	PAIR TRANSISTOR
			or HN1A01FU/G/-X	PAIR TRANSISTOR
		Q4705	2SC4617/QR/-X	TRANSISTOR,B
		Q4706	2SC4617/QR/-X	TRANSISTOR,B
		Q4707	2SC4617/QR/-X	TRANSISTOR,B
		Q4708	2SC4617/QR/-X	TRANSISTOR,B
		Q4709	2SC4617/QR/-X	TRANSISTOR,B
		Q4710	2SC4617/QR/-X	TRANSISTOR,B
		Q4711	PUMX1	PAIR TRANSISTOR,B,C
			or HN1C01FU/G/-X	PAIR TRANSISTOR,B,C
		Q4712	PUMT1	PAIR TRANSISTOR,B,C
			or HN1A01FU/G/-X	PAIR TRANSISTOR,B,C
		Q4713	PUMX1	PAIR TRANSISTOR,B,C
			or HN1C01FU/G/-X	PAIR TRANSISTOR,B,C
		Q4714	PUMT1	PAIR TRANSISTOR,B,C
			or HN1A01FU/G/-X	PAIR TRANSISTOR,B,C
		Q4715	PUMX1	PAIR TRANSISTOR,B,C
			or HN1C01FU/G/-X	PAIR TRANSISTOR,B,C
		Q4716	DTC144EE	TRANSISTOR,B
		Q4717	DTA144EE	TRANSISTOR,B
		Q6101	SSM6J07FU	MOS FET
		Q6106	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q6107	SSM3J05FU	MOS FET
		Q6201	SSM6J07FU	MOS FET
		Q6301	CPH3304	MOS FET
		Q6306	SSM3K02F	MOS FET,B,C
		Q6307	2SC4617/QR/-X	TRANSISTOR
		Q6308	CPH3101	TRANSISTOR
		Q6401	SSM6J07FU	MOS FET
		Q6501	SSM6J07FU	MOS FET
		Q6601	CPH3304	MOS FET
		Q6608	DTC144EE	TRANSISTOR
		Q6621	HN1C01FU/G/-X	PAIR TRANSISTOR
		Q6622	2SA1577/QR/-X	TRANSISTOR
		Q6701	FX802	TRANSISTOR
		Q6702	2SC4097/QR/-X	TRANSISTOR
		Q6801	2SA1577/QR/-X	TRANSISTOR
		Q6811	2SB1121/TU/-X	TRANSISTOR

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	Q7003	PUMX1	PAIR TRANSISTOR	
	Q7011	PUMX1	PAIR TRANSISTOR	
	Q7013	PUMX1	PAIR TRANSISTOR	
	Q7015	PUMX1	PAIR TRANSISTOR	
	Q7017	2SC4617/QR/-X	TRANSISTOR	
	Q7018	2SA1774/QR/-X	TRANSISTOR	
	Q7019	2SC4617/QR/-X	TRANSISTOR	
	Q7020	2SA1774/QR/-X	TRANSISTOR	
	Q7022	DTC144EE	TRANSISTOR,A	
⚠	D101	SB007W03Q	SB DIODE	
	D102	UDZS7.5B	ZENER DIODE	
	D105	1SS355	DIODE	
	D106	1SS355	DIODE	
	D107	SB007W03Q	SB DIODE	
	D501	MA8068	ZENER DIODE	
	D502	MA8068	ZENER DIODE	
	D3001	DAN222	DIODE,B,C	
	D5201	1SS355	DIODE	
	D6001	CRS03	SB DIODE	
	D6101	CRS03	SB DIODE	
	D6106	1SS357	SB DIODE	
	D6201	CRS03	SB DIODE	
	D6301	CRS03	SB DIODE	
	D6401	CRS03	SB DIODE	
	D6501	CRS03	SB DIODE	
	D6601	1SS383	SB DIODE	
	D6616	UDZS8.2B	ZENER DIODE	
	D7002	MA365	VARI CAP DIODE	
	D7004	RB471E	SB DIODE	
	R101	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
⚠	R104	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R105	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R106	NRSA63J-561X	MG RESISTOR	560Ω,1/16W
	R107	NRVA63D-153X	CMF RESISTOR	15kΩ,1/16W
	R108	NRVA63D-243X	CMF RESISTOR	24kΩ,1/16W
	R109	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
	R110	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R111	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
	R112	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
	R113	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
	R114	NRSA63J-821X	MG RESISTOR	820Ω,1/16W
	R115	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
	R116	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R118	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R119	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R120	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
	R121	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
	R122	NRSA63J-393X	MG RESISTOR	39kΩ,1/16W
	R123	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R124	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R125	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
	R126	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
	R127	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	R128	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R129	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R130	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R131	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R132	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R133	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R134	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R135	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R136	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R138	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
	R139	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R140	NRSA63J-753X	MG RESISTOR	75kΩ,1/16W
	R141	NRSA63J-334X	MG RESISTOR	330kΩ,1/16W
	R142	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R143	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R144	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	R145	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R146	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R147	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
	R148	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R149	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R150	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R151	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R152	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R153	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R158	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R159	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R160	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
	R161	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R162	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
	R163	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	R164	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
	R166	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R167	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
	R168	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
	R170	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
	R171	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R172	NRSA63J-151X	MG RESISTOR	150Ω,1/16W
	R173	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R174	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R175	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R176	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	R180	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
	R182	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R183	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R184	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R188	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R190	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
	R191	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R192	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
	R195	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R504	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	R505	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
	R1601	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
	R1602	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
	R1603	NRSA63J-154X	MG RESISTOR	150kΩ,1/16W
	R1604	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R1605	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R1606	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R1607	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R1608	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R1609	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
	R1610	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R1612	NRSA63J-392X	MG RESISTOR	3.9kΩ,1/16W
	R1613	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R1614	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
	R1615	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R1617	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
	R1618	NRSA63J-154X	MG RESISTOR	150kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1619	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
R1620	NRSA63J-684X	MG RESISTOR	680kΩ,1/16W
R1621	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R1622	NRSA63J-224X	MG RESISTOR	220kΩ,1/16W
R1623	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R1624	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R1625	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R1626	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R1628	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1629	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1630	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1631	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
R1632	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
R1633	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R2001	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2002	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R2003	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2004	NRSA63J-681X	MG RESISTOR	680Ω,1/16W
R2005	NRSA63J-272X	MG RESISTOR	2.7kΩ,1/16W
R2006	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2011	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R2012	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R2021	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R2022	NRSA63J-334X	MG RESISTOR	330kΩ,1/16W
R2023	NRSA63J-820X	MG RESISTOR	82Ω,1/16W
R2024	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R2025	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
R2026	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2027	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2028	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2029	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2030	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2031	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R2032	NRSA63J-270X	MG RESISTOR	27Ω,1/16W
R2051	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R2071	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2072	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
R2401	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R2402	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
R2403	NRSA63J-2R2X	MG RESISTOR	2.2Ω,1/16W
R2404	NRSA63J-2R2X	MG RESISTOR	2.2Ω,1/16W
R2405	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2406	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R3001	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R3002	NRVA63D-471X	CMF RESISTOR	470Ω,1/16W
R3004	NRVA63D-333X	CMF RESISTOR	33kΩ,1/16W
R3006	NRVA63D-561X	CMF RESISTOR	560Ω,1/16W
R3007	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
R3008	NRSA63J-393X	MG RESISTOR	39kΩ,1/16W
R3009	NRSA63J-272X	MG RESISTOR	2.7kΩ,1/16W
R3010	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R3014	NRSA63J-681X	MG RESISTOR	680Ω,1/16W
R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R3016	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R3018	NRSA63J-271X	MG RESISTOR	270Ω,1/16W
R3023	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
R3027	NRSA63J-103X	MG RESISTOR,B,C	10kΩ,1/16W
R3028	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
R3029	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R3030	NRSA63J-561X	MG RESISTOR	560Ω,1/16W
R3034	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R3038	NRSA63J-392X	MG RESISTOR	3.9kΩ,1/16W
R3501	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
R3502	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3504	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3505	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3506	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R3507	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R3508	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
R3901	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
R3902	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R3903	NRSA63J-182X	MG RESISTOR	1.8kΩ,1/16W
R4001	NRSA63J-113X	MG RESISTOR	11kΩ,1/16W
R4002	NRSA63J-123X	MG RESISTOR	12kΩ,1/16W
R4003	NRSA63J-153X	MG RESISTOR	15kΩ,1/16W
R4004	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4006	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R4007	NRVA63D-392X	CMF RESISTOR	3.9kΩ,1/16W
R4008	NRVA63D-272X	CMF RESISTOR	2.7kΩ,1/16W
R4009	NRVA63D-152X	CMF RESISTOR	1.5kΩ,1/16W
R4010	NRVA63D-122X	CMF RESISTOR	1.2kΩ,1/16W
R4011	NRVA63D-152X	CMF RESISTOR	1.5kΩ,1/16W
R4012	NRVA63D-122X	CMF RESISTOR	1.2kΩ,1/16W
R4013	NRVA63D-152X	CMF RESISTOR	1.5kΩ,1/16W
R4014	NRVA63D-122X	CMF RESISTOR	1.2kΩ,1/16W
R4036	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R4037	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R4201	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4202	NRSA63J-563X	MG RESISTOR	56kΩ,1/16W
R4203	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4204	NRSA63J-331X	MG RESISTOR	330Ω,1/16W
R4205	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R4206	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4207	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4208	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R4209	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4210	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R4211	NRSA63J-243X	MG RESISTOR	24kΩ,1/16W
R4214	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R4215	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R4216	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4217	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R4218	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R4219	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4220	NRSA63J-152X	MG RESISTOR	1.5kΩ,1/16W
R4221	NRSA63J-334X	MG RESISTOR	330kΩ,1/16W
R4222	NRSA63J-154X	MG RESISTOR	150kΩ,1/16W
R4223	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
R4224	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R4251	NRSA63J-182X	MG RESISTOR	1.8kΩ,1/16W
R4252	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4253	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R4254	NRSA63J-684X	MG RESISTOR	680kΩ,1/16W
R4255	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R4256	NRSA63J-824X	MG RESISTOR	820kΩ,1/16W
R4257	NRSA63J-822X	MG RESISTOR	8.2kΩ,1/16W
R4258	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R4259	NRSA63J-683X	MG RESISTOR	68kΩ,1/16W
R4262	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
⚠ R4501	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
⚠ R4502	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
⚠ R4503	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
⚠	R4504	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
	R4505	NRSA63J-271X	MG RESISTOR	270Ω,1/16W
	R4507	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R4508	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R4514	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
	R4515	NRSA63J-182X	MG RESISTOR	1.8kΩ,1/16W
	R4701	NRSA63J-0R0X	MG RESISTOR,A	0Ω,1/16W
	R4702	NRSA63J-101X	MG RESISTOR,B,C	100Ω,1/16W
		NRSA63J-750X	MG RESISTOR,A	75Ω,1/16W
	R4703	NRVA63D-561X	CMF RESISTOR	560Ω,1/16W
	R4704	NRVA63D-271X	CMF RESISTOR	270Ω,1/16W
	R4705	NRVA63D-471X	CMF RESISTOR	470Ω,1/16W
	R4706	NRSA63J-681X	MG RESISTOR	680Ω,1/16W
	R4707	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
	R4708	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R4709	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
	R4710	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
	R4711	NRSA63J-151X	MG RESISTOR,B,C	150Ω,1/16W
	R4712	NRVA63D-561X	CMF RESISTOR,B,C	560Ω,1/16W
	R4713	NRSA63J-681X	MG RESISTOR,B,C	680Ω,1/16W
	R4714	NRSA63J-122X	MG RESISTOR,B,C	1.2kΩ,1/16W
	R4715	NRSA63J-0R0X	MG RESISTOR,C	0Ω,1/16W
	R4716	NRVA63D-561X	CMF RESISTOR,B,C	560Ω,1/16W
	R4717	NRVA63D-222X	CMF RESISTOR,B,C	2.2kΩ,1/16W
	R4718	NRSA63J-104X	MG RESISTOR,B,C	100kΩ,1/16W
	R4719	NRSA63J-222X	MG RESISTOR,B,C	2.2kΩ,1/16W
	R4720	NRSA63J-0R0X	MG RESISTOR,A	0Ω,1/16W
	R4721	NRVA63D-750X	CMF RESISTOR,B,C	75Ω,1/16W
	R4722	NRVA63D-680X	CMF RESISTOR	68Ω,1/16W
	R4723	NRVA63D-680X	CMF RESISTOR,B,C	68Ω,1/16W
	R4724	NRSA63J-391X	MG RESISTOR,B	390Ω,1/16W
	R4725	NRSA63J-822X	MG RESISTOR,B	8.2kΩ,1/16W
	R4726	NRSA63J-121X	MG RESISTOR,B	120Ω,1/16W
	R4727	NRSA63J-102X	MG RESISTOR,B	1kΩ,1/16W
	R4728	NRSA63J-471X	MG RESISTOR,B	470Ω,1/16W
	R4729	NRSA63J-153X	MG RESISTOR,B	15kΩ,1/16W
	R4730	NRSA63J-103X	MG RESISTOR,B	10kΩ,1/16W
	R4731	NRSA63J-102X	MG RESISTOR,B	1kΩ,1/16W
	R4732	NRSA63J-222X	MG RESISTOR,B	2.2kΩ,1/16W
	R4733	NRSA63J-102X	MG RESISTOR,B	1kΩ,1/16W
	R4734	NRSA63J-102X	MG RESISTOR,B	1kΩ,1/16W
	R4735	NRSA63J-332X	MG RESISTOR,B,C	3.3kΩ,1/16W
	R4736	NRSA63J-332X	MG RESISTOR,B,C	3.3kΩ,1/16W
	R4737	NRSA63J-104X	MG RESISTOR,B,C	100kΩ,1/16W
	R4738	NRSA63J-332X	MG RESISTOR,B,C	3.3kΩ,1/16W
	R4739	NRSA63J-332X	MG RESISTOR,B,C	3.3kΩ,1/16W
	R4741	NRVA63D-152X	CMF RESISTOR,B,C	1.5kΩ,1/16W
	R4743	NRVA63D-153X	CMF RESISTOR,B,C	15kΩ,1/16W
	R4744	NRVA63D-222X	CMF RESISTOR,B,C	2.2kΩ,1/16W
	R4745	NRSA63J-471X	MG RESISTOR,B,C	470Ω,1/16W
	R4746	NRVA63D-222X	CMF RESISTOR,B,C	2.2kΩ,1/16W
	R4747	NRVA63D-471X	CMF RESISTO,B,C	470Ω,1/6W
	R5201	NRSA63J-243X	MG RESISTOR	24kΩ,1/16W
	R5202	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
	R5204	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R5212	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
	R5213	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
	R5214	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
	R5215	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R5216	NRSA63J-100X	MG RESISTOR	10Ω,1/16W
	R5217	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R5218	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R5220	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R6001	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R6002	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
	R6003	NRVA63D-912X	CMF RESISTOR	9.1kΩ,1/16W
	R6004	NRVA63D-471X	CMF RESISTOR	470Ω,1/16W
	R6005	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
	R6006	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
	R6008	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
	R6009	NRSA63J-224X	MG RESISTOR	220kΩ,1/16W
	R6010	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
	R6011	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
	R6012	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R6015	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R6016	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R6019	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R6103	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
	R6104	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
	R6106	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
	R6107	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
	R6108	NRVA63D-153X	CMF RESISTOR	15kΩ,1/16W
	R6109	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
	R6110	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R6203	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
	R6204	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
	R6303	NRVA63D-183X	CMF RESISTOR	18kΩ,1/16W
	R6304	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
	R6306	NRS12BK-R47W	MG RESISTOR	0.47Ω,1/2W
	R6307	NRSA63J-104X	MG RESISTOR,B,C	100kΩ,1/16W
	R6309	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
	R6310	NRSA63J-152X	MG RESISTOR	1.5kΩ,1/16W
	R6311	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
	R6403	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
	R6404	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
	R6406	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
	R6407	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
	R6503	NRSA63J-243X	MG RESISTOR	24kΩ,1/16W
	R6504	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
	R6506	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
	R6507	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
	R6603	NRVA63D-683X	CMF RESISTOR	68kΩ,1/16W
	R6604	NRVA63D-392X	CMF RESISTOR	3.9kΩ,1/16W
	R6605	NRSA63J-274X	MG RESISTOR	270kΩ,1/16W
	R6606	NRSA63J-272X	MG RESISTOR	2.7kΩ,1/16W
	R6612	NRSA63J-823X	MG RESISTOR	82kΩ,1/16W
	R6613	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R6614	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
	R6616	NRSA63J-392X	MG RESISTOR	3.9kΩ,1/16W
	R6622	NRVA63D-104X	CMF RESISTOR	100kΩ,1/16W
	R6623	NRVA63D-473X	CMF RESISTOR	47kΩ,1/16W
	R6624	NRSA63J-273X	MG RESISTOR	27kΩ,1/16W
	R6625	NRSA63J-822X	MG RESISTOR	8.2kΩ,1/16W
	R6626	NRVA63D-563X	CMF RESISTOR	56kΩ,1/16W
	R6627	NRVA63D-363X	CMF RESISTOR	36kΩ,1/16W
	R6701	NRSA63J-680X	MG RESISTOR	68Ω,1/16W
	R6702	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	R6704	NRVA63D-472X	CMF RESISTOR	4.7kΩ,1/16W
	R6706	NRZ0058-R20X	MG RESISTOR	0.2Ω,1/2W
	R6707	NRS016J-121X	MG RESISTOR	120Ω,1W
	R6708	NRS016J-121X	MG RESISTOR	120Ω,1W
	R6709	NRS016J-121X	MG RESISTOR	120Ω,1W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R6710	NRVA63D-823X	CMF RESISTOR	82kΩ,1/16W
R6711	NRVA63D-333X	CMF RESISTOR	33kΩ,1/16W
R6712	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R6713	NRSA63J-562X	MG RESISTOR	5.6kΩ,1/16W
R6801	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R6803	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R6804	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R6810	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R6811	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R6813	NRVA63D-104X	CMF RESISTOR	100kΩ,1/16W
R6814	NRVA63D-683X	CMF RESISTOR	68kΩ,1/16W
R6820	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7021	NRSA63J-0R0X	MG RESISTOR,B,C	0Ω,1/16W
R7029	NRSA63J-0R0X	MG RESISTOR,B,C	0Ω,1/16W
R7031	NRSA63J-474X	MG RESISTOR	470kΩ,1/16W
R7032	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7033	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R7035	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R7040	NRVA63D-333X	CMF RESISTOR	33kΩ,1/16W
R7042	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7043	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7044	NRVA63D-432X	CMF RESISTOR,B,C	4.3kΩ,1/16W
	NRVA63D-752X	CMF RESISTOR,A	7.5kΩ,1/16W
R7045	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7046	NRSA63J-103X	MG RESISTOR,A	10kΩ,1/16W
R7049	NRSA63J-470X	MG RESISTOR	47Ω,1/16W
R7050	NRSA63J-470X	MG RESISTOR	47Ω,1/16W
R7051	NRSA63J-470X	MG RESISTOR	47Ω,1/16W
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7067	NRSA63J-223X	MG RESISTOR,A	22kΩ,1/16W
	NRSA63J-682X	MG RESISTOR,B,C	6.8kΩ,1/16W
R7068	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7069	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7070	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7071	NRSA63J-223X	MG RESISTOR	22kΩ,1/16W
R7072	NRSA02J-122X	MG RESISTOR,B,C	1.2kΩ,1/10W
	NRSA02J-182X	MG RESISTOR,A	1.8kΩ,1/10W
R7073	NRSA02J-331X	MG RESISTOR,A	330Ω,1/10W
	NRSA02J-821X	MG RESISTOR,B,C	820Ω,1/10W
R7074	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R7077	NRVA63D-682X	CMF RESISTOR	6.8kΩ,1/16W
R7083	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R7086	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7091	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7093	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7096	NRVA63D-123X	CMF RESISTOR	12kΩ,1/16W
R7110	NRSA63J-105X	MG RESISTOR	1MΩ,1/16W
R7112	NRVA63D-332X	CMF RESISTOR	3.3kΩ,1/16W
R7114	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7116	NRVA63D-332X	CMF RESISTOR	3.3kΩ,1/16W
R7118	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7120	NRVA63D-332X	CMF RESISTOR	3.3kΩ,1/16W
R7122	NRVA63D-223X	CMF RESISTOR	22kΩ,1/16W
R7124	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7127	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7128	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7129	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7130	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7131	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W
R7132	NRVA63D-103X	CMF RESISTOR	10kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R7139	NRVA63D-911X	CMF RESISTOR	910Ω,1/16W
R7142	NRSA63J-0R0X	MG RESISTOR,B,C	0Ω,1/16W
R7143	NRSA63J-0R0X	MG RESISTOR,A	0Ω,1/16W
RA101	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA102	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA103	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA104	NRZ0038-222X	NETWORK RESISTOR	2.2kΩ
RA105	NRZ0038-473X	NETWORK RESISTOR	47kΩ
RA106	NRZ0037-331X	NETWORK RESISTOR	330Ω
RA107	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA108	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA109	NRZ0038-474X	NETWORK RESISTOR	470kΩ
C102	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C103	NBE41AM-106X	T CAPACITOR	10μF,10V
C104	NCB31EK-103X	CAPACITOR	0.01μF,25V
C105	NCB31CK-104X	CAPACITOR	0.1μF,16V
C106	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C107	NCB31EK-103X	CAPACITOR	0.01μF,25V
C108	NBE21AM-225X	T CAPACITOR	2.2μF,10V
C109	NBE41AM-106X	T CAPACITOR	10μF,10V
C110	NDC31HJ-101X	CAPACITOR	100pF,50V
C111	NEA70JM-226X	E CAPACITOR	22μF,6.3V
C112	NEA70JM-226X	E CAPACITOR	22μF,6.3V
C113	NCB31EK-103X	CAPACITOR	0.01μF,25V
C114	NCB31EK-103X	CAPACITOR	0.01μF,25V
C115	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C116	NCB31EK-103X	CAPACITOR	0.01μF,25V
C118	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C119	NCB31EK-103X	CAPACITOR	0.01μF,25V
C120	NCB31EK-103X	CAPACITOR	0.01μF,25V
C121	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C122	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C123	NDC31HJ-100X	CAPACITOR	10pF,50V
C124	NDC31HJ-100X	CAPACITOR	10pF,50V
C125	NCB31EK-103X	CAPACITOR	0.01μF,25V
C126	NDC31HJ-120X	CAPACITOR	12pF,50V
C127	NCB31CK-333X	CAPACITOR	0.033μF,16V
C128	NCB21CK-474X	CAPACITOR	0.47μF,16V
C129	NCB31CK-333X	CAPACITOR	0.033μF,16V
C131	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C132	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C133	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C134	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C1201	NCB31HK-102X	CAPACITOR	0.001μF,50V
C1202	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1205	NCB31EK-153X	CAPACITOR	0.015μF,25V
C1206	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C1601	NCB31EK-103X	CAPACITOR	0.01μF,25V
C1602	NCB21CK-224X	CAPACITOR	0.22μF,16V
C1603	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1604	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1605	NCB31CK-223X	CAPACITOR	0.022μF,16V
C1606	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1607	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1608	NCB31CK-683X	CAPACITOR	0.068μF,16V
C1609	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1610	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1611	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1612	NDC31HJ-331X	CAPACITOR	330pF,50V
C1613	NCB21CK-334X	CAPACITOR	0.33μF,16V
C1614	NBE41AM-226X	T CAPACITOR	22μF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C1615	NCB31HK-681X	CAPACITOR	680pF,50V
C1616	NCB21CK-474X	CAPACITOR	0.47µF,16V
C1617	NCB31HK-152X	CAPACITOR	0.0015µF,50V
C1618	NBE21AM-106X	T CAPACITOR	10µF,10V
C1619	NCB31CK-223X	CAPACITOR	0.022µF,16V
C1620	NCB31HK-472X	CAPACITOR	0.0047µF,50V
C1621	NBP41CM-106X	T CAPACITOR	10µF,16V
C2001	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C2002	NFV41HJ-183X	MPPS CAPACITOR	0.018µF,50V
C2003	NDC31HJ-331X	CAPACITOR	330pF,50V
C2004	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C2005	NCB21CK-105X	CAPACITOR	1µF,16V
C2021	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2022	NBE20JM-156X	T CAPACITOR	15µF,6.3V
C2023	NBP21CM-105X	T CAPACITOR	1µF,16V
C2024	NCB31HK-102X	CAPACITOR	0.001µF,50V
C2025	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2026	NCB31HK-222X	CAPACITOR	0.0022µF,50V
C2027	NCB30JK-474X	CAPACITOR	0.47µF,6.3V
C2028	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2029	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2031	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2032	NCB31HK-472X	CAPACITOR	0.0047µF,50V
C2033	NBE20JM-475X	T CAPACITOR	4.7µF,6.3V
C2034	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2035	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C2036	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C2037	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C2038	NCB30JK-474X	CAPACITOR	0.47µF,6.3V
C2051	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2071	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C2072	NCB31HK-222X	CAPACITOR	0.0022µF,50V
C2401	NEA70GM-476X	E CAPACITOR	47µF,4.0V
C2402	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C2403	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2404	NCF31CZ-224X	CAPACITOR	0.22µF,16V
C2405	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2406	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3002	NCB21CK-105X	CAPACITOR	1µF,16V
C3003	NCB21CK-105X	CAPACITOR	1µF,16V
C3004	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3005	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3006	NDC31HG-100X	CAPACITOR	10pF,50V
C3007	NDC31HG-100X	CAPACITOR	10pF,50V
C3009	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3011	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3012	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3013	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3014	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3015	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3017	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C3019	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3020	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3027	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3028	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3033	NCB31CK-104X	CAPACITOR,B,C	0.1µF,16V
C3037	NDC31HJ-100X	CAPACITOR	10pF,50V
C3506	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3507	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3508	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3509	NDC31HJ-221X	CAPACITOR	220pF,50V
C3510	NCB31CK-104X	CAPACITOR	0.1µF,16V
C3512	NCB10JK-106X	CAPACITOR	10µF,6.3V
C3513	NCB31EK-223X	CAPACITOR	0.022µF,25V
C3514	NCB21CK-105X	CAPACITOR	1µF,16V
C3515	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3516	NDC31HJ-100X	CAPACITOR	10pF,50V
C3902	NCB31EK-103X	CAPACITOR	0.01µF,25V
C3903	NDC31HJ-3R0X	CAPACITOR	3pF,50V
C4006	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4008	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4009	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4010	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4012	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4014	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4017	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4019	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4022	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4024	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4028	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4029	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4030	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4036	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4040	NCB21CK-105X	CAPACITOR,B,C	1µF,16V
C4044	NCB21CK-105X	CAPACITOR	1µF,16V
C4048	NCB10JK-106X	CAPACITOR	10µF,6.3V
C4049	NDC31HJ-100X	CAPACITOR	10pF,50V
C4051	NDC31HJ-221X	CAPACITOR	220pF,50V
C4201	NEA71HM-225X	E CAPACITOR	2.2µF,50V
C4202	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4203	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4205	NCB31EK-103X	CAPACITOR	0.01µF,25V
C4206	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4207	NCB31EK-103X	CAPACITOR	0.01µF,25V
C4208	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4209	NCF21CZ-105X	CAPACITOR	1µF,16V
C4210	NCF21CZ-105X	CAPACITOR	1µF,16V
C4251	NEA71HM-335X	E CAPACITOR	3.3µF,50V
C4252	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4253	NCB31EK-153X	CAPACITOR	0.015µF,25V
C4254	NCB31EK-153X	CAPACITOR	0.015µF,25V
C4256	NEA71CM-106X	E CAPACITOR	10µF,16V
C4503	NEA70JM-107X	E CAPACITOR	100µF,6.3V
C4504	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4505	NDC31HJ-330X	CAPACITOR	33pF,50V
C4506	NCB31HK-102X	CAPACITOR	0.001µF,50V
C4507	NCB31HK-102X	CAPACITOR	0.001µF,50V
C4508	NCB31HK-102X	CAPACITOR	0.001µF,50V
C4509	NCB31HK-102X	CAPACITOR	0.001µF,50V
C4510	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4511	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4701	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4702	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4703	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4704	NCB21CK-105X	CAPACITOR	1µF,16V
C4705	NDC31HJ-820X	CAPACITOR	82pF,50V
C4706	NDC31HJ-150X	CAPACITOR	15pF,50V
C4707	NCB21CK-105X	CAPACITOR	1µF,16V
C4708	NDC31HJ-820X	CAPACITOR,B,C	82pF,50V
C4709	NDC31HJ-150X	CAPACITOR,B,C	15pF,50V
C4710	NCB31EK-103X	CAPACITOR,B,C	0.01µF,25V
C4711	NCB21CK-105X	CAPACITOR,B,C	1µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4712	NCB31EK-103X	CAPACITOR,B	0.01µF,25V
C4713	NCB21CK-105X	CAPACITOR,B	1µF,16V
C4714	NCB31EK-103X	CAPACITOR,B	0.01µF,25V
C4715	NCB21CK-105X	CAPACITOR,B,C	1µF,16V
C4717	NCB31EK-103X	CAPACITOR,B	0.01µF,25V
C4718	NDC31HJ-240X	CAPACITOR,B	24pF,50V
C4719	NCB31EK-103X	CAPACITOR,B,C	0.01µF,25V
C5203	NCB10JK-106X	CAPACITOR	10µF,6.3V
C5207	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5208	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5209	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5210	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5211	NCB21CK-105X	CAPACITOR	1µF,16V
C5212	NCB21CK-105X	CAPACITOR	1µF,16V
C5213	NCB31HK-332X	CAPACITOR	0.0033µF,50V
C5214	NCB31EK-103X	CAPACITOR	0.01µF,25V
C5218	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5219	NBP21CM-685X	T CAPACITOR	6.8µF,16V
C5221	NCB11EK-105X	CAPACITOR	1µF,25V
C5222	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5223	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5225	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5227	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5228	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5229	NCB11EK-105X	CAPACITOR	1µF,25V
C5230	NCB21EK-104X	CAPACITOR	0.1µF,25V
C5232	NDC31HJ-100X	CAPACITOR	10pF,50V
C5233	NDC31HJ-100X	CAPACITOR	10pF,50V
C5234	NDC31HJ-100X	CAPACITOR	10pF,50V
C5235	NDC31HJ-100X	CAPACITOR	10pF,50V
C5236	NDC31HJ-100X	CAPACITOR	10pF,50V
C5237	NDC31HJ-100X	CAPACITOR	10pF,50V
C6002	NEA71CM-106X	E CAPACITOR	10µF,16V
C6004	NCF21CZ-105X	CAPACITOR	1µF,16V
C6005	NCB21CK-105X	CAPACITOR	1µF,16V
C6006	NCF21CZ-105X	CAPACITOR	1µF,16V
C6007	NCB21CK-105X	CAPACITOR	1µF,16V
C6009	NDC31HJ-820X	CAPACITOR	82pF,50V
C6010	NCB21CK-105X	CAPACITOR	1µF,16V
C6011	NCB21CK-104X	CAPACITOR	0.1µF,16V
C6012	NCB21CK-224X	CAPACITOR	0.22µF,16V
C6013	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6014	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6015	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6016	NCB31EK-473X	CAPACITOR	0.047µF,25V
C6017	NCF21CZ-105X	CAPACITOR	1µF,16V
C6101	NCB21CK-105X	CAPACITOR	1µF,16V
C6102	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6105	NCB31HK-102X	CAPACITOR	0.001µF,50V
C6106	NCF21CZ-105X	CAPACITOR	1µF,16V
C6107	NCF21CZ-105X	CAPACITOR	1µF,16V
C6108	NCF21CZ-105X	CAPACITOR	1µF,16V
C6110	NCB31HK-152X	CAPACITOR	0.0015µF,50V
C6201	NCB21CK-105X	CAPACITOR	1µF,16V
C6202	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6203	NEA70JM-476X	E CAPACITOR	47µF,6.3V
C6205	NCB31HK-472X	CAPACITOR	0.0047µF,50V
C6210	NCB31EK-103X	CAPACITOR	0.01µF,25V
C6301	NCB11CK-225X	CAPACITOR	2.2µF,16V
C6302	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6303	NEA70JM-226X	E CAPACITOR	22µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C6305	NDC31HJ-221X	CAPACITOR	220pF,50V
C6307	NEA71CM-106X	E CAPACITOR,B,C	10µF,16V
C6308	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C6310	NCB31HK-102X	CAPACITOR	0.001µF,50V
C6401	NCB21CK-105X	CAPACITOR	1µF,16V
C6402	NCF21CZ-105X	CAPACITOR	1µF,16V
C6406	NCB31CK-683X	CAPACITOR	0.068µF,16V
C6410	NCB21CK-474X	CAPACITOR	0.47µF,16V
C6501	NCB21CK-105X	CAPACITOR	1µF,16V
C6502	NCF21CZ-105X	CAPACITOR	1µF,16V
C6506	NCB21CK-224X	CAPACITOR	0.22µF,16V
C6510	NCB31CK-104X	CAPACITOR	0.1µF,16V
C6601	NCB11CK-225X	CAPACITOR	2.2µF,16V
C6602	NCF21CZ-105X	CAPACITOR	1µF,16V
C6603	NCB11CK-475X	CAPACITOR	4.7µF,16V
C6605	NDC31HJ-331X	CAPACITOR	330pF,50V
C6606	NCF21CZ-105X	CAPACITOR	1µF,16V
C6607	NCB11EK-105X	CAPACITOR	1µF,25V
C6610	NCB31EK-103X	CAPACITOR	0.01µF,25V
C6616	NCB21CK-105X	CAPACITOR	1µF,16V
C6622	NCB21CK-105X	CAPACITOR	1µF,16V
C6700	NCB31HK-272X	CAPACITOR	0.0027µF,50V
C6701	NCF21CZ-105X	CAPACITOR	1µF,16V
C6702	NCB41CK-106X	CAPACITOR	10µF,16V
C6711	NCB21HK-472X	CAPACITOR	0.0047µF,50V
C6802	NCF21CZ-105X	CAPACITOR	1µF,16V
C6805	NCB31HK-102X	CAPACITOR	0.001µF,50V
C6810	NCB31EK-103X	CAPACITOR	0.01µF,25V
C6812	NCF21CZ-105X	CAPACITOR	1µF,16V
C6820	NCB31HK-102X	CAPACITOR	0.001µF,50V
C7001	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7002	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C7019	NDC31HJ-270X	CAPACITOR	27pF,50V
C7020	NDC31HJ-270X	CAPACITOR	27pF,50V
C7021	NBP41EM-475X	T CAPACITOR	4.7µF,25V
C7022	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7023	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7024	NBP41EM-475X	T CAPACITOR	4.7µF,25V
C7025	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7026	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C7028	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7029	NCB31CK-104X	CAPACITOR,A	0.1µF,16V
C7030	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7031	NDC31HJ-220X	CAPACITOR	22pF,50V
C7032	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7033	NCB21CK-334X	CAPACITOR	0.33µF,16V
C7034	NDC31HJ-331X	CAPACITOR	330pF,50V
C7035	NDC31HJ-330X	CAPACITOR	33pF,50V
C7036	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7037	NDC31HJ-330X	CAPACITOR	33pF,50V
C7038	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7039	NBP41CM-106X	T CAPACITOR	10µF,16V
C7042	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7045	NDC31HJ-100X	CAPACITOR	10pF,50V
C7046	NDC31HJ-100X	CAPACITOR	10pF,50V
C7047	NDC31HJ-100X	CAPACITOR	10pF,50V
C7048	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C7051	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7052	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C7053	NCB31EK-103X	CAPACITOR	0.01µF,25V
C7054	NBP41EM-475X	T CAPACITOR	4.7µF,25V

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		C7057	NCB31EK-682X	CAPACITOR,A	0.0068µF,25V
		C7059	NBP41EM-475X	T CAPACITOR	4.7µF,25V
		C7060	NCB11CK-225X	CAPACITOR	2.2µF,16V
		C7064	NCB11EK-105X	CAPACITOR	1µF,25V
		C7065	NCB11EK-105X	CAPACITOR	1µF,25V
		C7066	NCB11EK-105X	CAPACITOR	1µF,25V
		C7067	NCB31CK-104X	CAPACITOR	0.1µF,16V
		C7069	NCB31EK-103X	CAPACITOR	0.01µF,25V
		L101	NQL034K-330X	COIL	33µH
		L501	NQR0129-002X	FERRITE BEAD	
		L1601	NQL38DK-100X	COIL	10µH
		L1602	NQL144K-100X	COIL	10µH
		L2001	NQL144K-101X	COIL	100µH
		L2003	NQL034K-470X	COIL	47µH
		L2021	NQL144K-470X	COIL	47µH
		L2051	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2052	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2071	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2072	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		L2401	NQL144K-470X	COIL	47µH
		L3002	NQR0006-001X	FERRITE BEAD	
		L3003	NQR0129-002X	FERRITE BEAD	
		L3502	NQL38DK-220X	COIL	22µH
		L3503	NQL085J-5R6X	COIL	5.6µH
		L4005	NQL38DK-220X	COIL	22µH
		L4201	NQR0006-001X	FERRITE BEAD	
		L4501	NQR0006-001X	FERRITE BEAD	
		L4502	NQL034K-220X	COIL	22µH
		L4701	NQL38DK-220X	COIL	22µH
		L4702	NQL085J-560X	COIL,B	56µH
		L5201	NQL38DK-470X	COIL	47µH
		L5202	NQL38DK-220X	COIL	22µH
		L5203	NQL38DK-220X	COIL	22µH
		L6001	NQL52EM-100X	COIL	10µH
		L6002	NQL52EM-100X	COIL	10µH
		L6101	NQL52EM-390X	COIL	39µH
		L6106	NQL144K-101X	COIL	100µH
		L6107	NQL144K-101X	COIL	100µH
		L6201	NQL52EM-470X	COIL	47µH
		L6301	NQL52EM-390X	COIL	39µH
		L6306	NQL52EM-470X	COIL,B,C	47µH
		L6401	NQL52EM-470X	COIL	47µH
		L6501	NQL52EM-470X	COIL	47µH
		L6601	NQL52EM-221X	COIL	220µH
		L6602	NQL144K-221X	COIL	220µH
		L6606	NQL144K-220X	COIL	22µH
		L6701	NQL52EM-100X	COIL	10µH
		L7001	NQL38DK-220X	COIL	22µH
		L7005	NQL38DK-220X	COIL	22µH
		L7006	NQL38DK-220X	COIL	22µH
		L7007	NQL38DK-220X	COIL	22µH
		L7008	NQL38DK-220X	COIL	22µH
		L7009	NQL38DK-220X	COIL	22µH
		L7010	NQL085J-4R7X	COIL	4.7µH
		L7012	NQL144K-100X	COIL	10µH
		FL4701	NQR0005-001X	LC TRAP,B	
		FL4702	NQR0268-001X	BAND PASS FILTER,B	
		X101	NAX0251-001X	CRYSTAL RESONATOR	
		X102	NAX0325-001X	CRYSTAL RESONATOR	
		X3001	QAX0596-001	CRYSTAL RESONATOR	
		WR1	WJV0039-001A	E-PRIMARY WIRE, JUMP WIRE	

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	⚠	J101	QAB0022-001	LI BATTERY	
		J504	LY31356-002A	JACK UNIT	
		J505	QND0068-001	S JACK,B,C	
		CN1	QGF0507F3-10X	FFC/FPC CONNECTOR	
		CN2	QGF0507F3-14X	FFC/FPC CONNECTOR	
		CN3	QGF0505F2-18X	FPC CONNECTOR	
		CN4	QGA1201F2-06X	CONNECTOR	
		CN5	QGF0507F1-11X	FPC CONNECTOR	
		CN7	QGF0507F3-11X	FFC/FPC CONNECTOR	
		CN8	QGA1201C2-02X	CONNECTOR	
		CN12	QGA1201F2-05X	CONNECTOR	
		CN13	QGF0507F3-14X	FFC/FPC CONNECTOR	
		CN15	QGF0507F1-22X	FPC CONNECTOR	
		CN16	QGF0305F1-33X	FPC CONNECTOR	
		CN18	QGF0507F3-12X	FFC/FPC CONNECTOR	
		CN22	QGF0507F3-14X	FFC/FPC CONNECTOR	
		CN25	QGB0506L1-30X	CONNECTOR	
		CN27	QGA1201C2-02X	CONNECTOR	
		CN28	QGA1002F1-13X	CONNECTOR	
	⚠	F6001	NMFZ007-2R0X-K	FUSE	T2.0A
	⚠	F6002	NMFZ010-R50X-A	FUSE	T0.5A
		SD1	LY42914-001A	SHIELD PLATE	
		OT1	LY30016-049A	SPACER-A,FOR WR1	
		OT2	LY30029-0B6A	SPACER(A),FOR LI BATTERY	

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CCD BOARD ASSEMBLY <02>

	PW	YB20899A-01	CCD BOARD ASSY	
	Q5301	2SC3931/CD/-X	TRANSISTOR	
		or 2SC4774/RS/-X	TRANSISTOR	
	R5301	NRSA02J-105X	MG RESISTOR	1MΩ,1/10W
	R5302	NRSA02J-562X	MG RESISTOR	5.6kΩ,1/10W
	R5303	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	R5304	NRSA02J-105X	MG RESISTOR	1MΩ,1/10W
	C5301	NCF21EZ-104X	CAPACITOR	0.1µF,25V
	C5302	NBP21EM-155X	T CAPACITOR	1.5µF,25V
	C5303	NCB21HK-102X	CAPACITOR	0.001µF,50V
	C5304	NCF21EZ-104X	CAPACITOR	0.1µF,25V
	C5305	NDC21HJ-270X	CAPACITOR	27pF,50V

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MONITOR BOARD ASSEMBLY <07>

	PW	YB20900A-01	MONITOR BOARD ASSY,B,C	
		YB20900B-01	MONITOR BOARD ASSY,A	
	IC7501	TC7WH34FK	IC	
	Q7501	2SC3647/ST/-X	POW TRANSISTOR	
	Q7502	2SC3647/ST/-X	POW TRANSISTOR	
	Q7503	DTA144EE	TRANSISTOR	
	Q7504	2SC4617/QR/-X	TRANSISTOR	
	Q7507	DTA144EE	TRANSISTOR	
	R7501	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R7502	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R7503	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R7506	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
	R7507	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
	R7511	NRSA63J-223X	MG RESISTOR,B,C	22kΩ,1/16W
	R7512	NRSA63J-223X	MG RESISTOR,B,C	22kΩ,1/16W
	R7513	NRSA63J-103X	MG RESISTOR,A	10kΩ,1/16W
	R7514	NRSA63J-333X	MG RESISTOR,B,C	33kΩ,1/16W
	R7515	NRSA63J-302X	MG RESISTOR,A	3kΩ,1/16W
		NRSA63J-562X	MG RESISTOR,B,C	5.6kΩ,1/16W
	R7516	NVP0016-103X	TRIM RESISTOR,V COM	10kΩ
	R7517	NRSA63J-563X	MG RESISTOR	56kΩ,1/16W
	C7501	NCZ1016-120X	CAPACITOR	12pF,2kV
	C7502	NCB31EK-103X	CAPACITOR	0.01μF,25V
	C7503	NFV41HJ-273X	MPPS CAPACITOR	0.027μF,50V
	C7504	NCB31EK-103X	CAPACITOR	0.01μF,25V
	C7505	NCB10JK-106X	CAPACITOR	10μF,6.3V
	C7510	NCB31EK-103X	CAPACITOR,B,C	0.01μF,25V
	L7501	NQLZ010-680X	COIL	68μH
	L7502	NQL03BK-100X	COIL	10μH
	T7501	NQS0049-001X	SW TRANSF	
	CN7501	QGF0501F1-28X	FPC CONNECTOR	
	CN7502	QGF0505F1-24X	FPC CONNECTOR	
	CN7503	QGA5002F1-02X	CONNECTOR	
⚠	F7501	NMFZ009-R375XJ1	FUSE	T0.37A
	OT1	LY41726-001A	PLATE(EARTH)	

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E.VF BOARD ASSEMBLY <50>

	PW	PTY20307-601	E.VF BOARD ASSY	
⚠	FBT1	PTY20307-550	FLY BACK TRANS	
	HLC1	PTY20307-560	H.COIL	
	IC1	BA7149F	IC	
	Q1	2SA1576A	TRANSISTOR,TR1	
	Q2	2SC4132	TRANSISTOR,TR2	
	Q3	2SC4098	TRANSISTOR,TR3	
	D1	RLS245	DIODE	
	D2	MA143A	DIODE	
	R1	YQ31803-501	RESISTOR	9.1kΩ,1/10W
	R2	QRSA08G-333YN	RESISTOR	33kΩ,1/10W
	R3	QRSA08J-3R9YN	RESISTOR	3.9Ω,1/10W
	R4	QRSA08J-390YN	RESISTOR	39Ω,1/10W
	R5	YU30595-111	RESISTOR	390Ω,1/10W
	R6	YU30595-113	RESISTOR	91kΩ,1/10W
	R7	QRSA08J-103YN	RESISTOR	10kΩ,1/10W
	R8	YQ31803-502	RESISTOR	2.2kΩ,1/10W
	R9	QRSA08J-102YN	RESISTOR	1kΩ,1/10W
	R10	QRSA08J-102YN	RESISTOR	1kΩ,1/10W
	R11	QRSA08J-330YN	RESISTOR	33Ω,1/10W
	R12	QRSA08J-113YN	RESISTOR	11kΩ,1/10W
	R13	YQ31803-503	RESISTOR	3.9kΩ,1/10W
	R14	QRSA08J-822YN	RESISTOR	8.2kΩ,1/10W
	R15	QRSA08J-182YN	RESISTOR	1.8kΩ,1/10W
	R16	QRSA08J-332YN	RESISTOR	3.3kΩ,1/10W
	R17	QRSA08J-102YN	RESISTOR	1kΩ,1/10W
	R18	QRSA08J-471YN	RESISTOR	470Ω,1/10W
	R19	QRSA08F-103YN	RESISTOR	10kΩ,1/10W
	R20	QRSA08F-152YN	RESISTOR	1.5kΩ,1/10W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R21	QRSA08J-275YN	RESISTOR	2.7MΩ,1/10W
	R22	QRSA08J-275YN	RESISTOR	2.7MΩ,1/10W
	R23	QRSA08J-105YN	RESISTOR	1MΩ,1/10W
	R24	QRSA08J-154YN	RESISTOR	150kΩ,1/10W
	R25	QRSA08J-1R5YN	RESISTOR	1.5Ω,1/10W
	R27	QRSA08J-102YN	RESISTOR	1kΩ,1/10W
	R28	QRSA08J-121YN	RESISTOR	120Ω,1/10W
	VR1	PTY20307-504	V RESISTOR,V SIZE	470Ω
	VR2	PTY20307-505	V RESISTOR,H HOLD	47kΩ
	VR4	PTY20307-506	V RESISTOR,BRIGHT	1MΩ
	C1	YQ31803-507	CAPACITOR	0.22μF,16V
	C2	NCF21CZ-105X	CAPACITOR	1μF,16V
	C3	NCB21HK-152X	CAPACITOR	0.0015μF,50V
	C4	NCF21CZ-105X	CAPACITOR	1μF,16V
	C5	QEDP1AM-227	E CAPACITOR	220μF,10V
	C6	QEDP1AM-227	E CAPACITOR	220μF,10V
	C7	QEDP1AM-227	E CAPACITOR	220μF,10V
	C8	NCF21CZ-105X	CAPACITOR	1μF,16V
	C9	NDC21HJ-101X	CAPACITOR	100pF,50V
	C10	NCB21HK-473X	CAPACITOR	0.047μF,50V
	C11	QER61HM-106	E CAPACITOR	10μF,50V
	C12	PTY20307-508	F CAPACITOR	4700pF
	C13	YQ31304-506	E CAPACITOR	100μF,10V
	C14	YQ31304-507	CAPACITOR	1500pF,630V
	L1	YQ30723-115	COIL	100μH
	TH1	YU30236-110	THERMISTOR	
	WR1	PTY20307-580	WIRE,CN1-MAIN CN12	
	CN2	PTY20307-571	CONNECTOR	